

PB 215 853

A STUDY OF INDUSTRIAL WASTE POLLUTION IN
THE SOUTH PLATTE RIVER BASIN. APPENDIX C.
OUTFALL STUDY, LOCATION AND SAMPLING
RESULTS

Federal Water Pollution Control Administration
Denver, Colorado

December 1966

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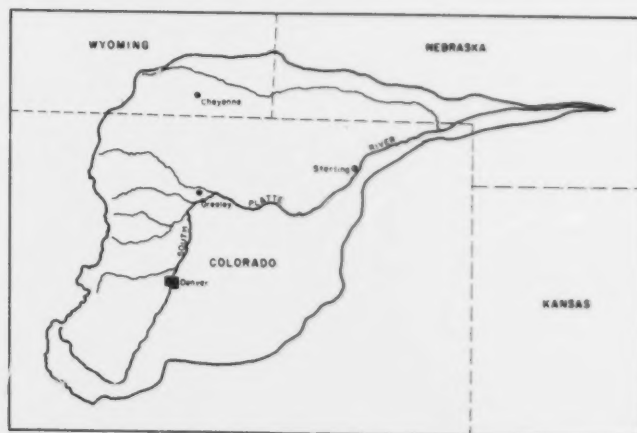
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APPENDIX C - OUTFALL STUDY - LOCATION
AND SAMPLING RESULTS

Supplement to the Basic Report -

A STUDY OF INDUSTRIAL
WASTE POLLUTION IN THE SOUTH
PLATTE RIVER BASIN



U.S. DEPARTMENT OF THE INTERIOR
Federal Water Pollution Control Administration
South Platte River Basin Project
Denver, Colorado

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South Platte River Basin Project
Report (PR-no.)

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in the South Platte River Basin. Denver, Colo.
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APPENDIX C - OUTFALL STUDY - LOCATION
AND SAMPLING RESULTS

Supplement to the Basic Report -

A STUDY OF INDUSTRIAL
WASTE POLLUTION IN THE SOUTH
PLATTE RIVER BASIN

U.S. DEPARTMENT OF THE INTERIOR
Federal Water Pollution Control Administration
South Platte River Basin Project
Denver, Colorado

DECEMBER 1966

APPENDIX C

A two and one-half year Industrial Waste Survey in the South Platte River Basin was culminated by the Federal Water Pollution Control Administration, South Platte River Basin Project in late 1966. The highlights of this Survey together with major recommendations on pollution abatement by industry are given in the basic report entitled "A Study of Industrial Waste Pollution in the South Platte River Basin." The Appendices shown herein represent a supplementary issue to the main report. However, these Appendices are essential to an understanding of the main survey and the primary document. The reader is encouraged to make full use of the four Appendices which have been prepared as four separate and additional reports and contain a wealth of information on the industrial waste picture existing within the Basin.

Appendix A gives pertinent information on the waste problems of 58 industrial companies. These plants were all visited but no waste sampling was undertaken by personnel of the South Platte River Basin Project. Appendix B presents detailed data on the waste handling and abatement procedures employed by 33 specially-selected industrial companies together with waste sampling results. In Appendices A and B, separate survey reports have been prepared for each of the 91 companies covered by the study. Appendix C provides the location and description of 639 outfalls, pipes and ditches believed to represent potential or real sources of contributory pollution to Basin streams. These outfalls receive industrial wastes from one or more industries which could not be readily identified. Waste sampling was undertaken on 74 of these outfalls and all results are shown. Appendix D contains the results of a special study on the waste disposal problems of the meat industry within the Denver Metropolitan Area.

Appendix C included under this cover and entitled "Outfall Study - Location and Sampling Results" is subdivided into two main sections - the Denver Metropolitan Area and the Remainder of Basin. The various outfalls were further divided into two groups: a) outfalls determined to be of major importance in terms of their waste discharges to Basin streams with extended dry-weather flows; the waste flows in this group were individually sampled and comprised 60 outfalls in the Denver Metropolitan Area and 14 in the Remainder of the Basin; b) all other outfalls located during the study which amounted to 467 found in the Metropolitan Area and 98 found over the remaining Basin.

The outfalls included in Appendix C in most part were not identified with specific waste sources and generally receive waste discharges from a host of sources. Industrial processing effluents are believed to comprise a major portion of these outfall waste flows discharging to the Basin streams. It is noted on the location maps, the numbers associated with the outfalls refer to the size of outfalls given in inches. Also, reference to the right or left side of the river or stream has been determined when facing downstream.

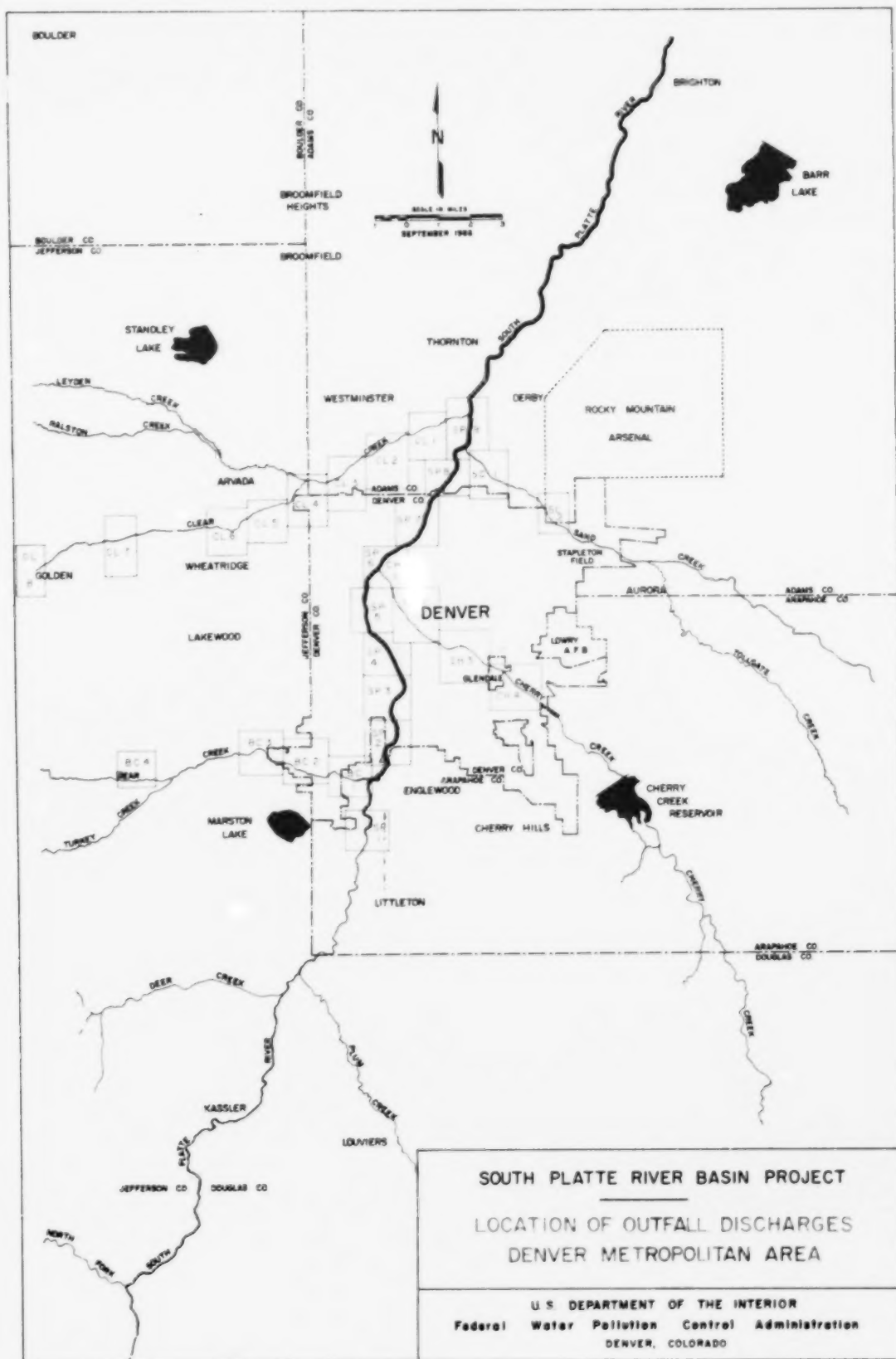
DENVER METROPOLITAN AREA

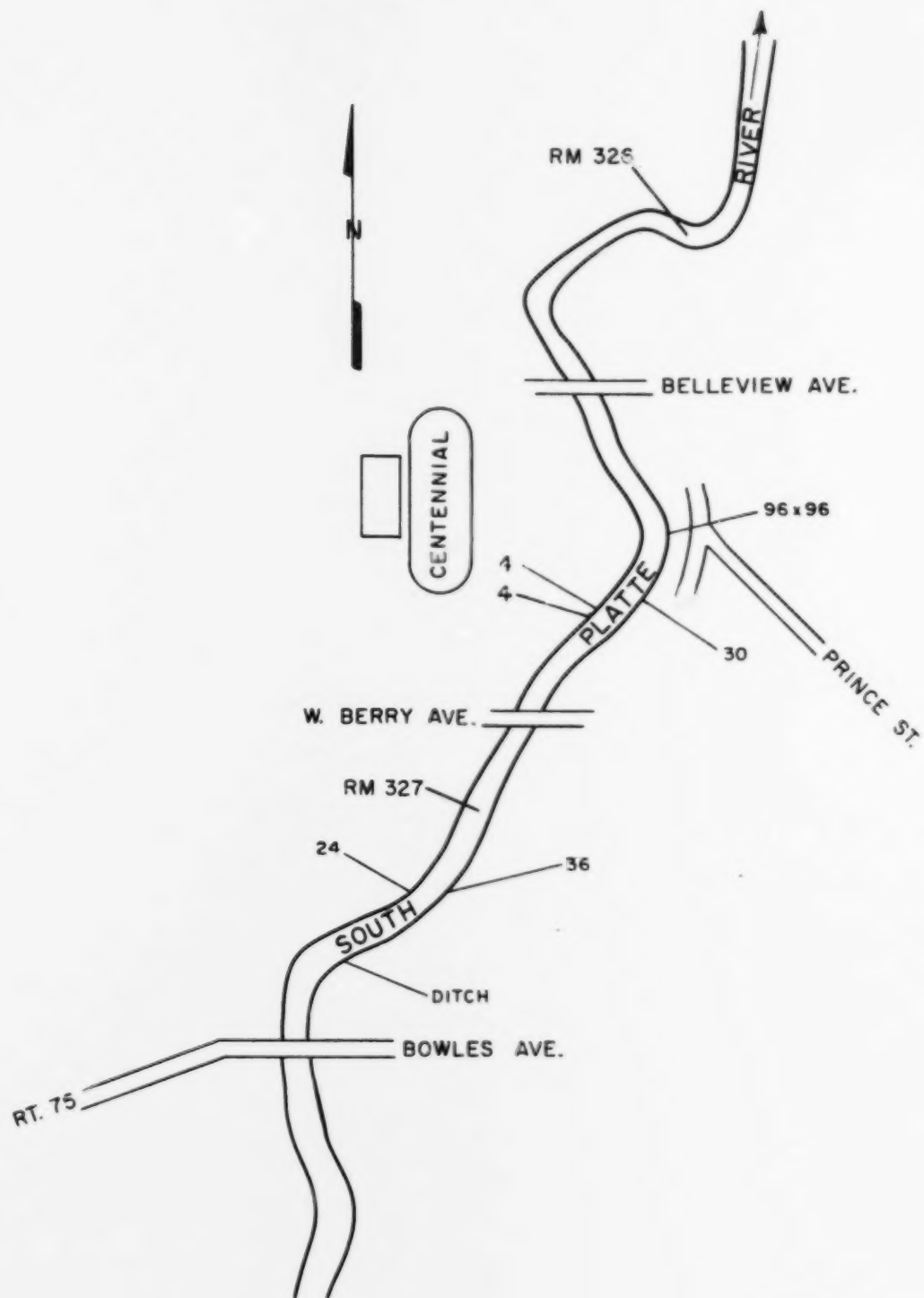
Appendix C - Figure 1 and accompanying inserts, visually show the location of all storm sewer, outfall and ditch discharges found in the Denver Metropolitan Area. Appendix C - Table I describes the river mileage, size of outfall, side of stream, location, insert sheet number and other pertinent remarks for each and every outfall that intercepts the South Platte River within the Denver area. Similar data is provided for all outfalls to Bear Creek, Cherry Creek, Sand Creek, and Clear Creek respectively, in Appendix C - Tables II, III, IV, and V. These tables also show the specific outfalls that were sampled, by the Map Identification Numbers 1 through 60. All sampling data collected on the 60 selected outfalls are arrayed in Appendix C - Table VI. A full description of each and every outfall sampling station in the Denver Metropolitan Area together with the Map Identification Number, the Project Station Number, and the River Mileage, is listed in Appendix C - Table VII.

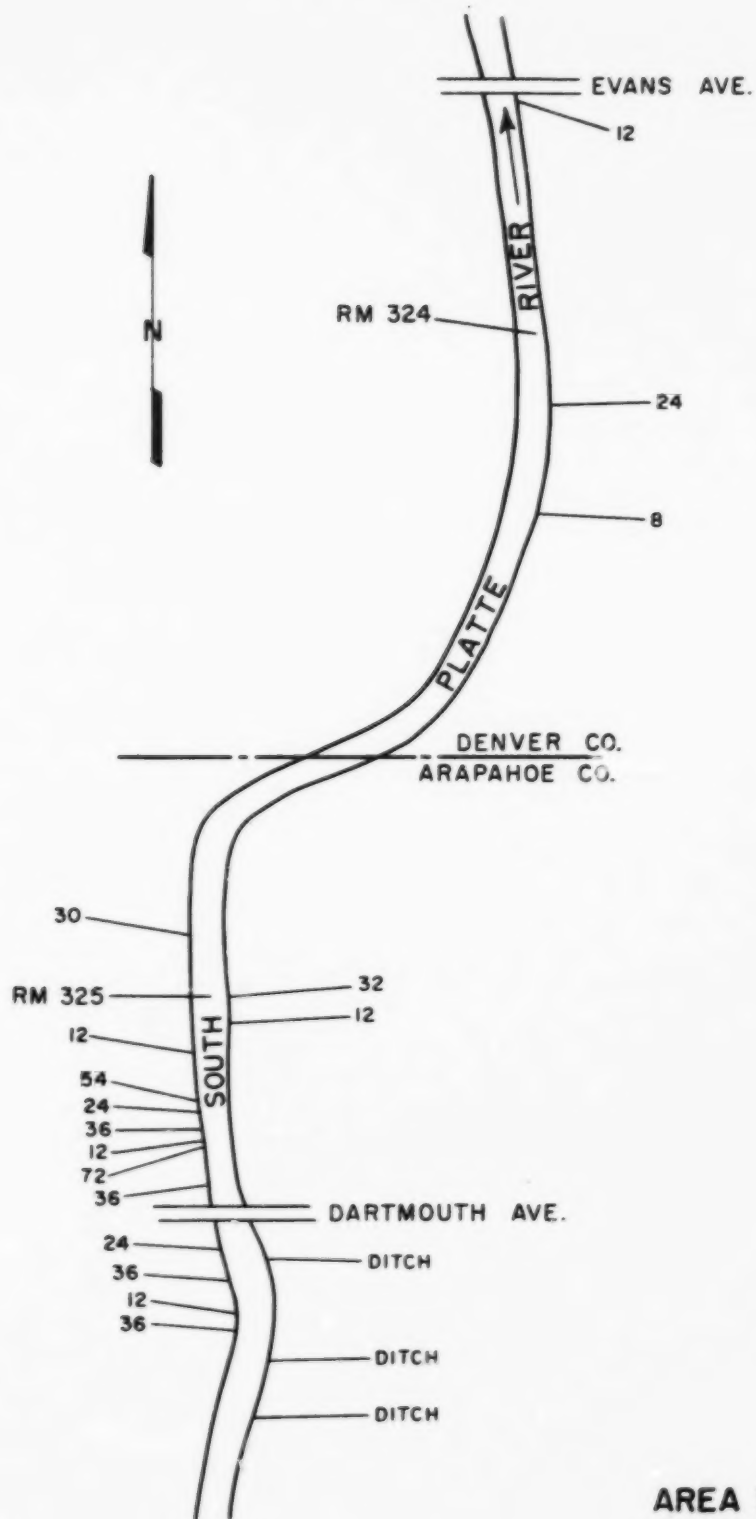
REMAINDER OF BASIN

Appendix C - Figure 2 and accompanying inserts, visually illustrate the location of all storm sewer, outfall and ditch discharges found in the Middle portion of the Basin. Appendix C - Figure 3 with accompanying inserts show the location of all outfalls in the Lower portion of the Basin. Full descriptive information on the total outfalls in the Remainder of the Basin are combined in Appendix C - Table VIII. This table is broken down into the city areas of Boulder, Longmont, Loveland, Fort Collins, Eaton, Greeley, Fort Morgan, and Sterling. Specific outfalls that were sampled, are shown by the Map Identification Numbers 61 through 74. All sampling data collected on the 14 selected outfalls are arrayed in Appendix C - Table IX. Finally, a full description of each and every outfall sampling station in the Remainder of the Basin together with the Map Identification Number, the Project Station Number, and the River Mileage, is listed in Appendix C - Table X.

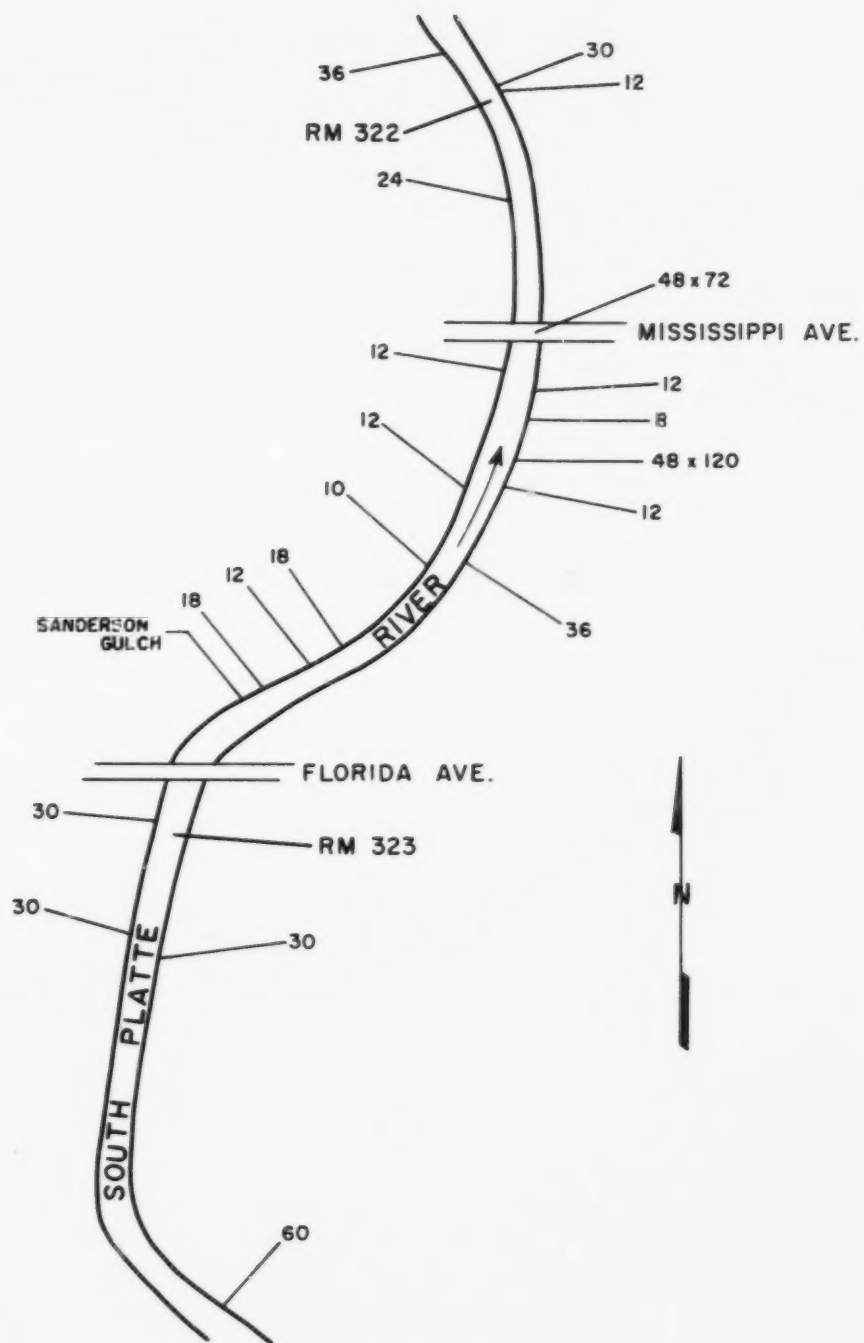
DENVER METROPOLITAN AREA

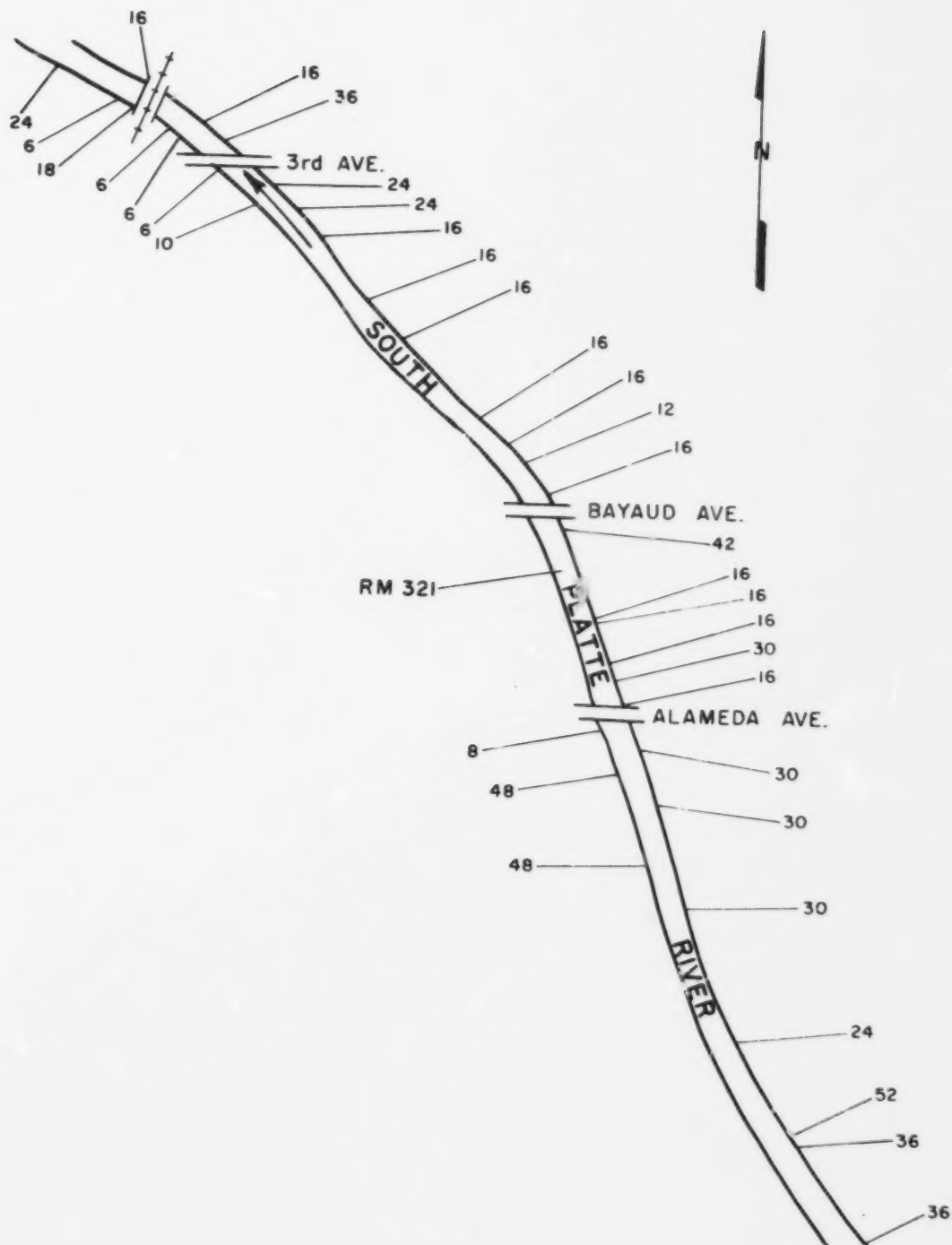


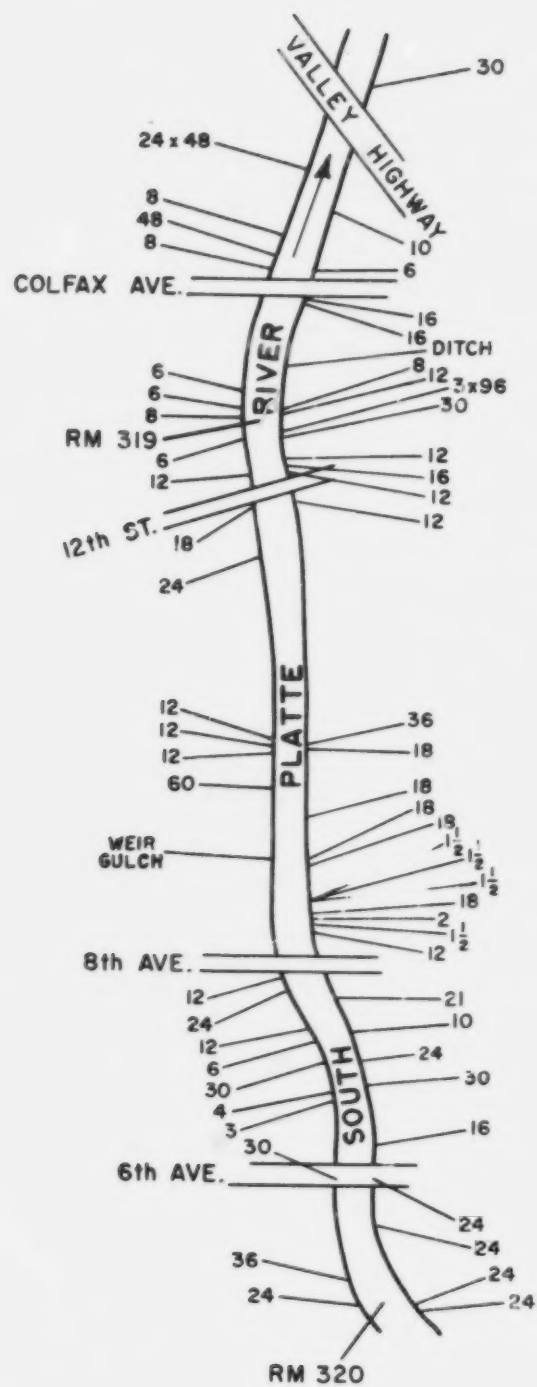


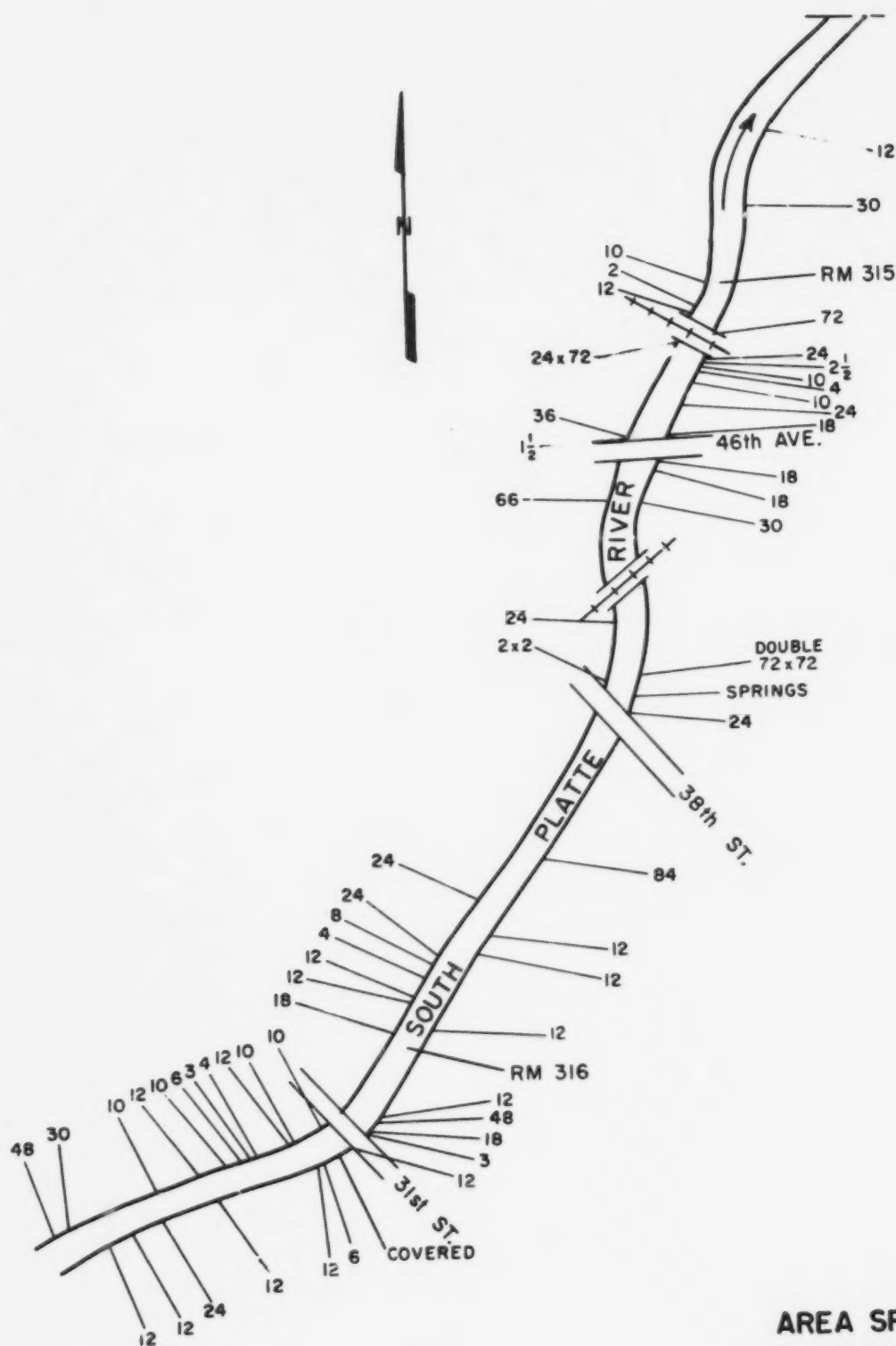


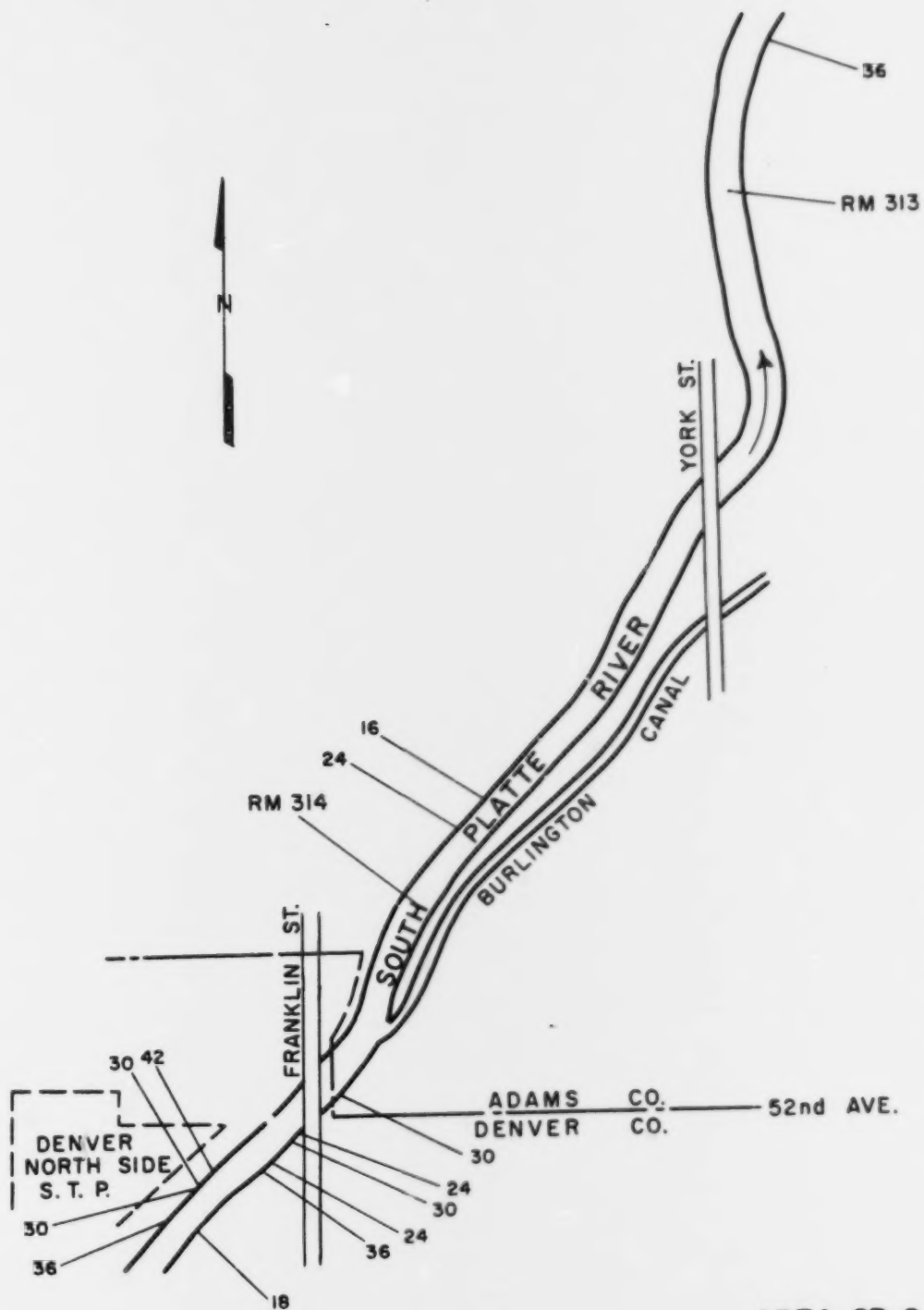
AREA SP-2
APPENDIX C
FIGURE 1

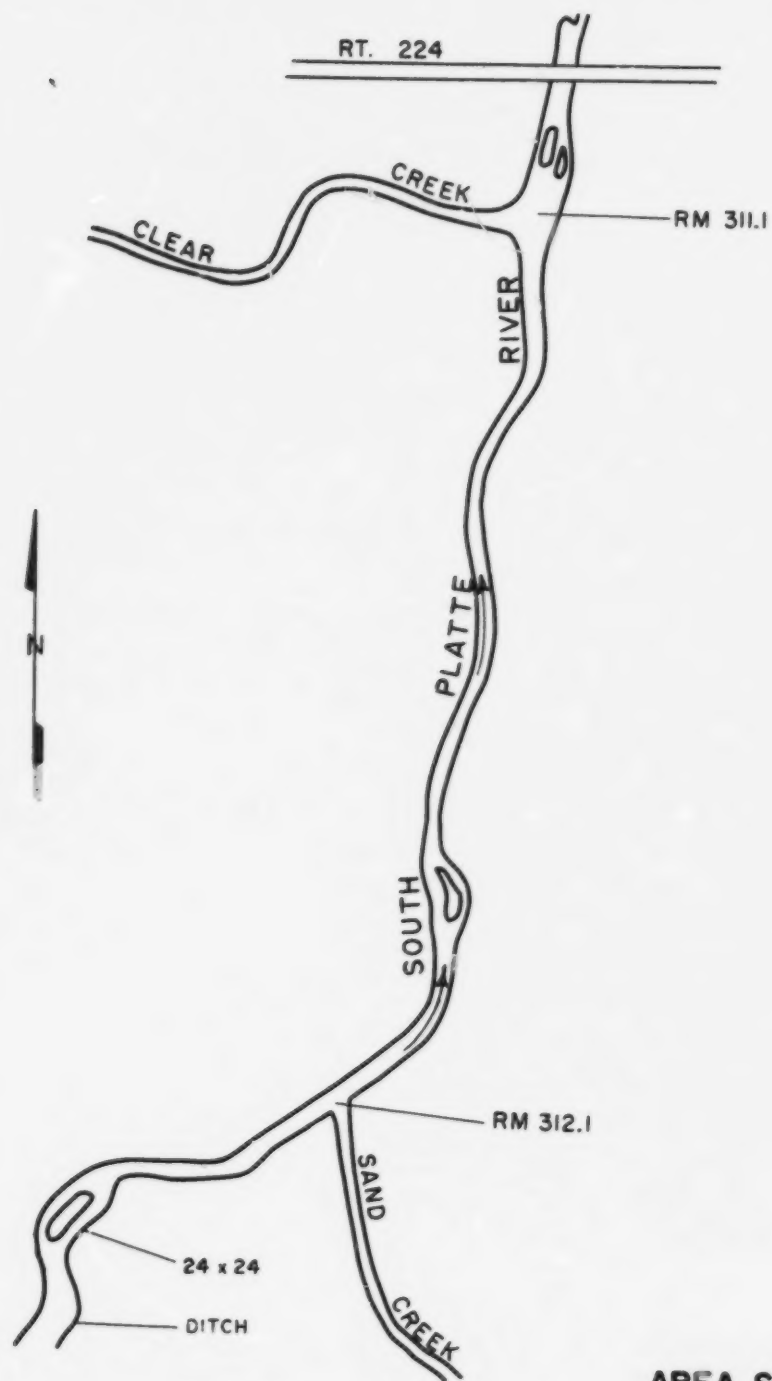


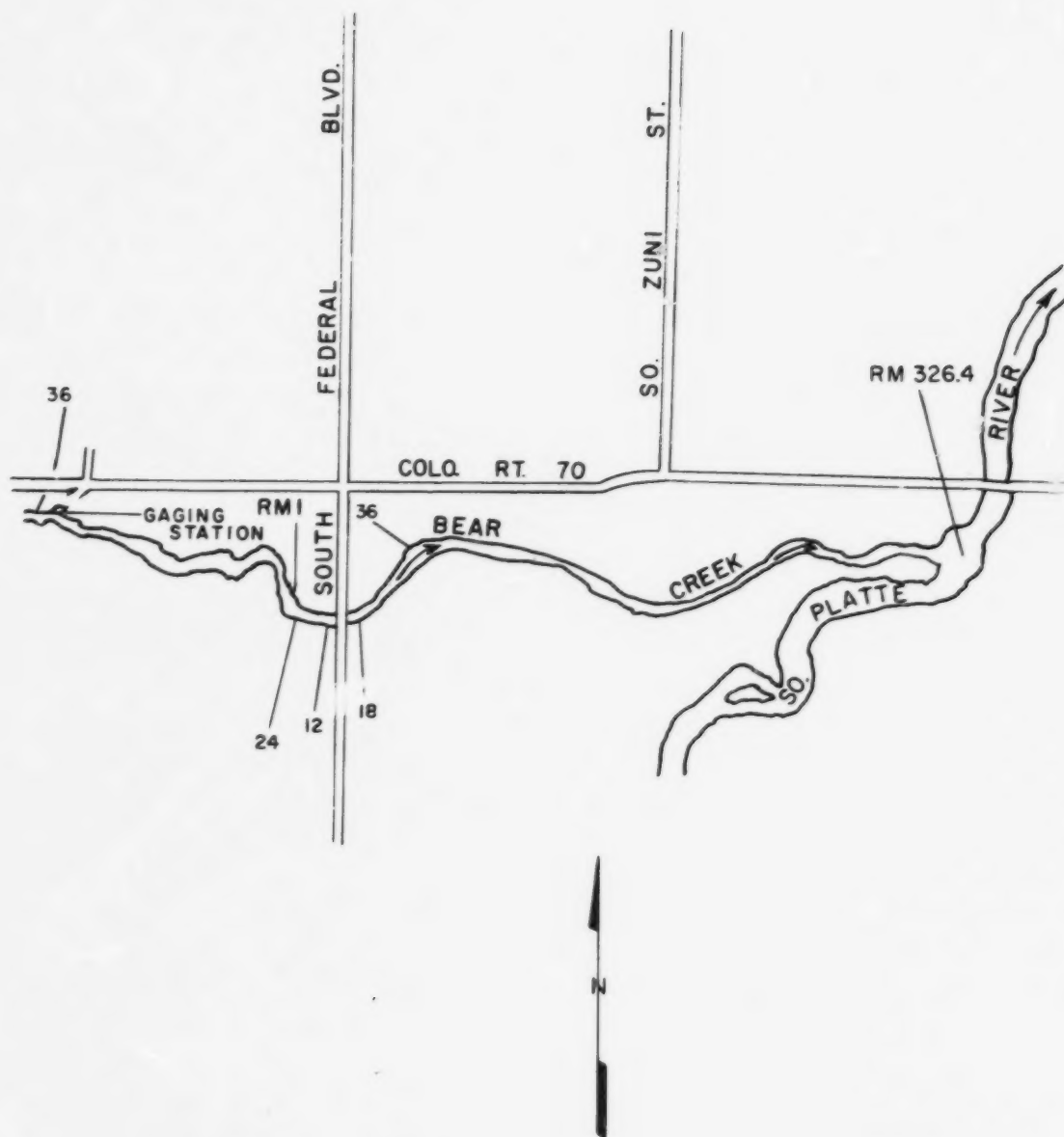


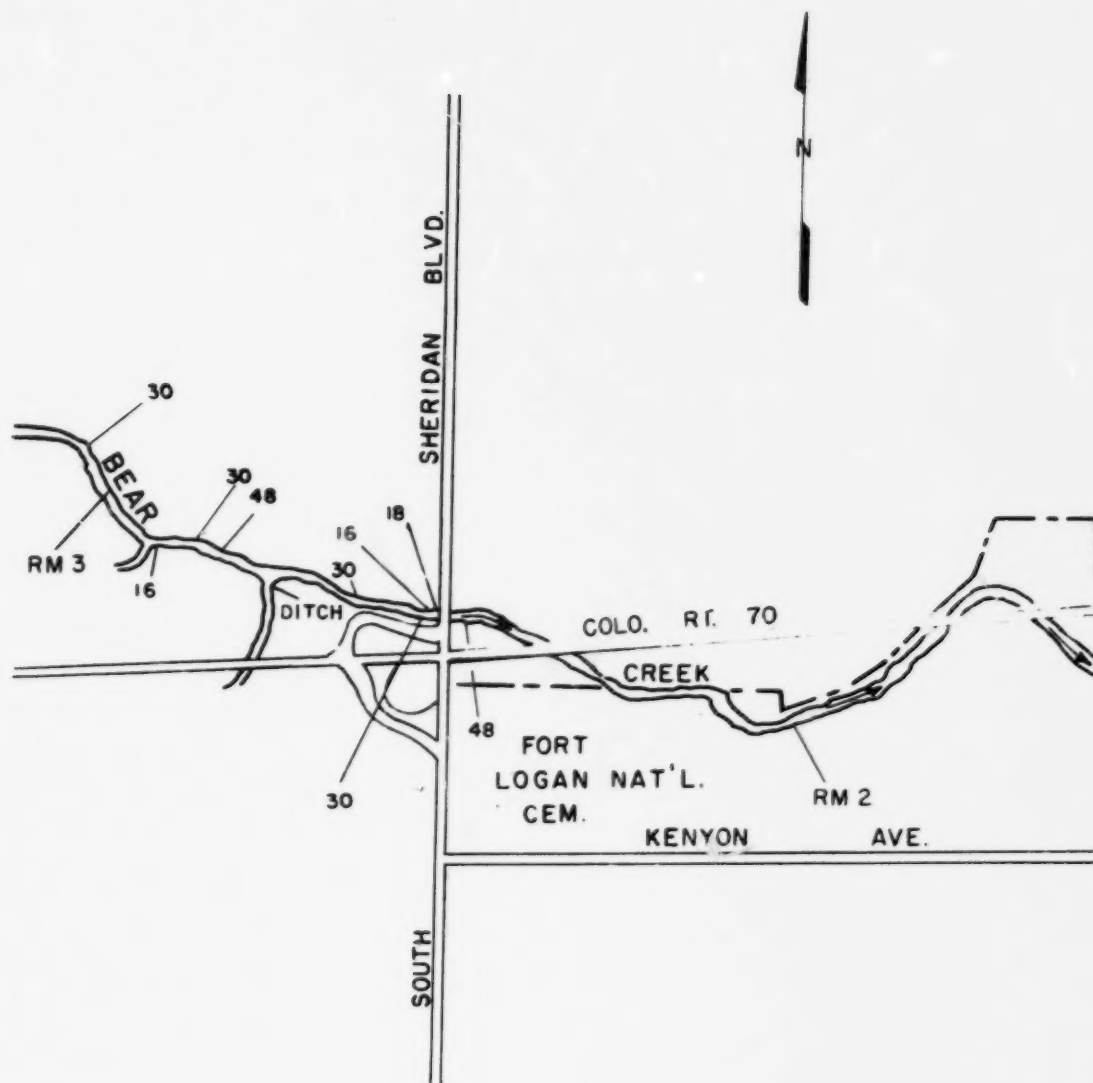


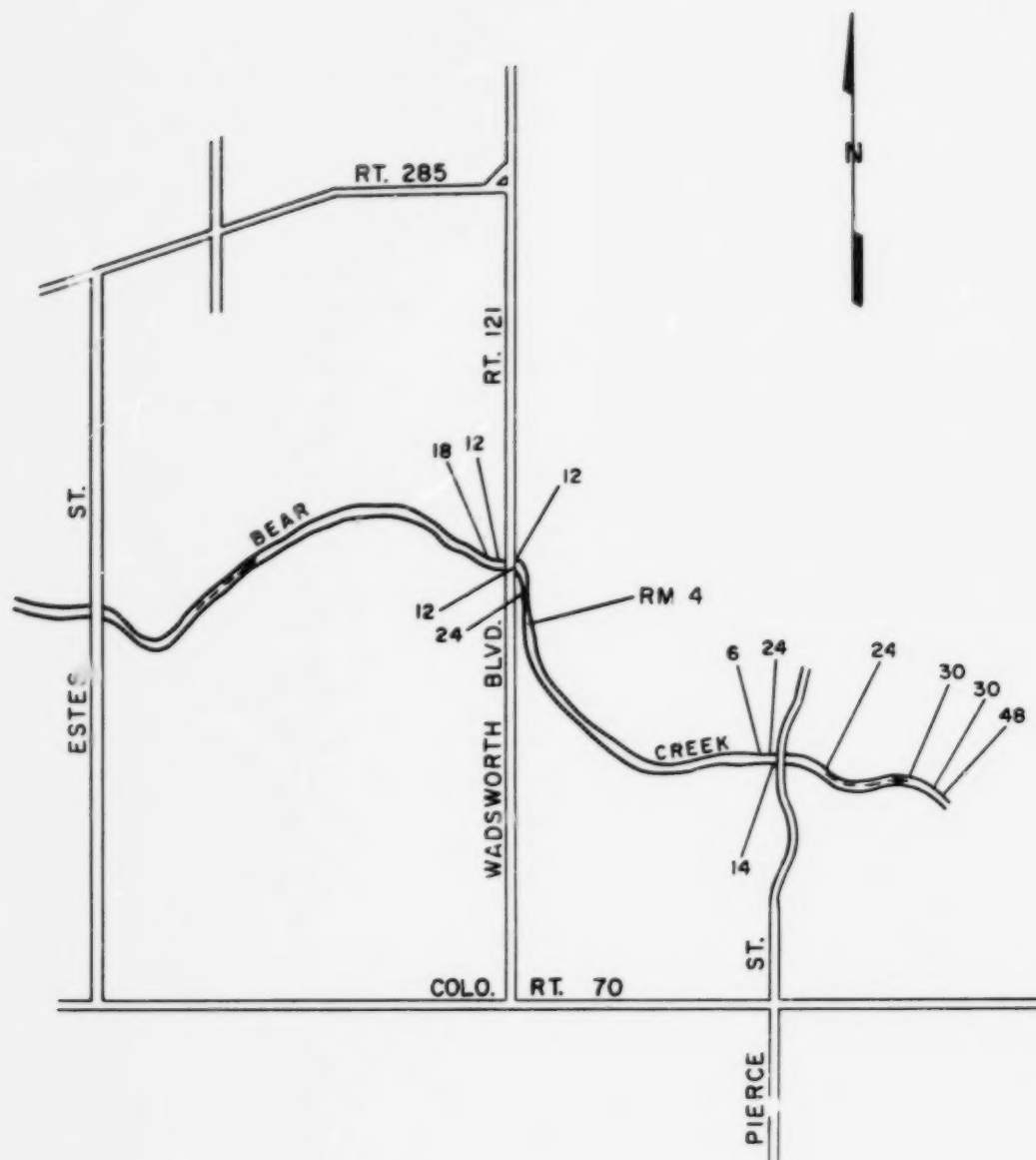




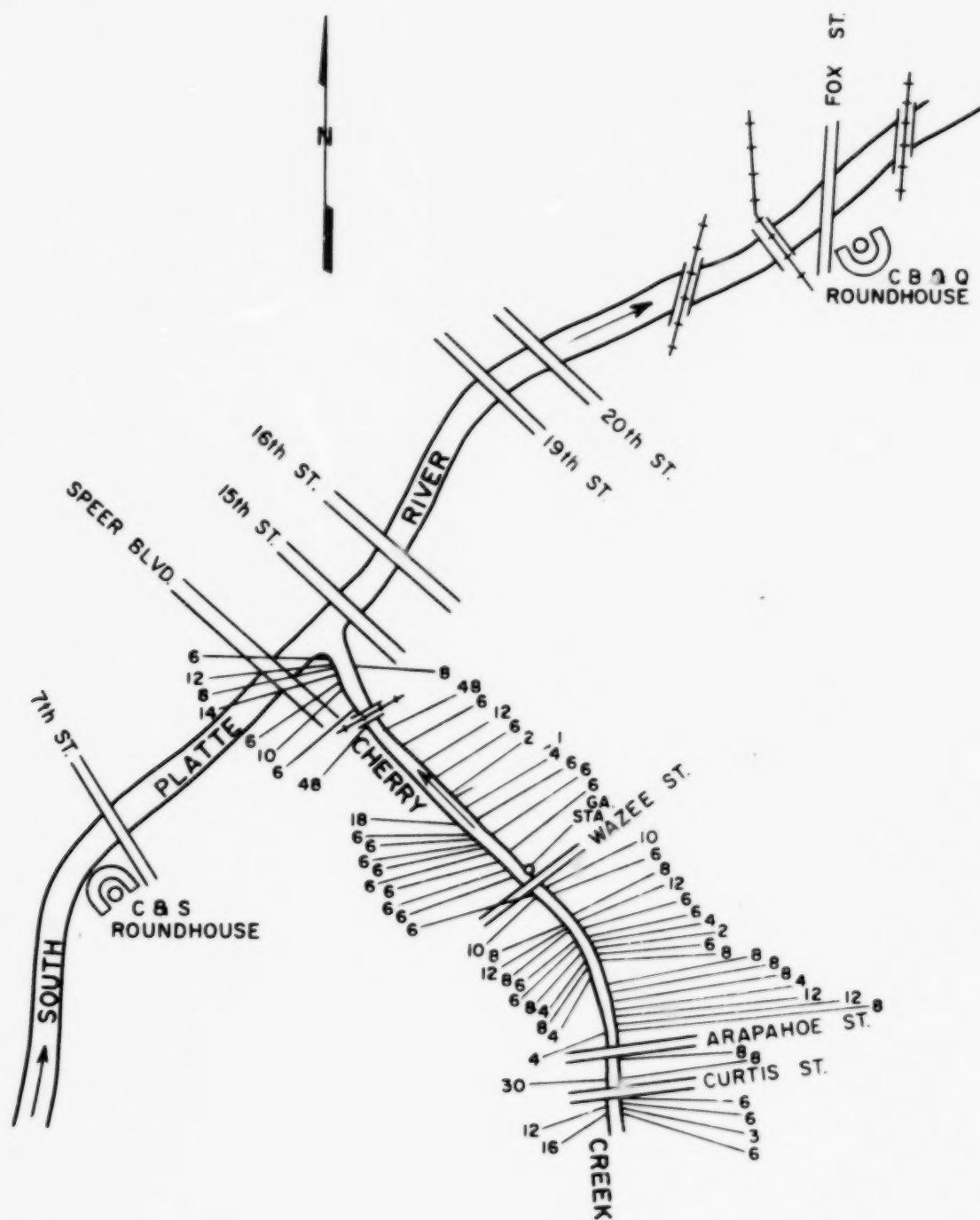


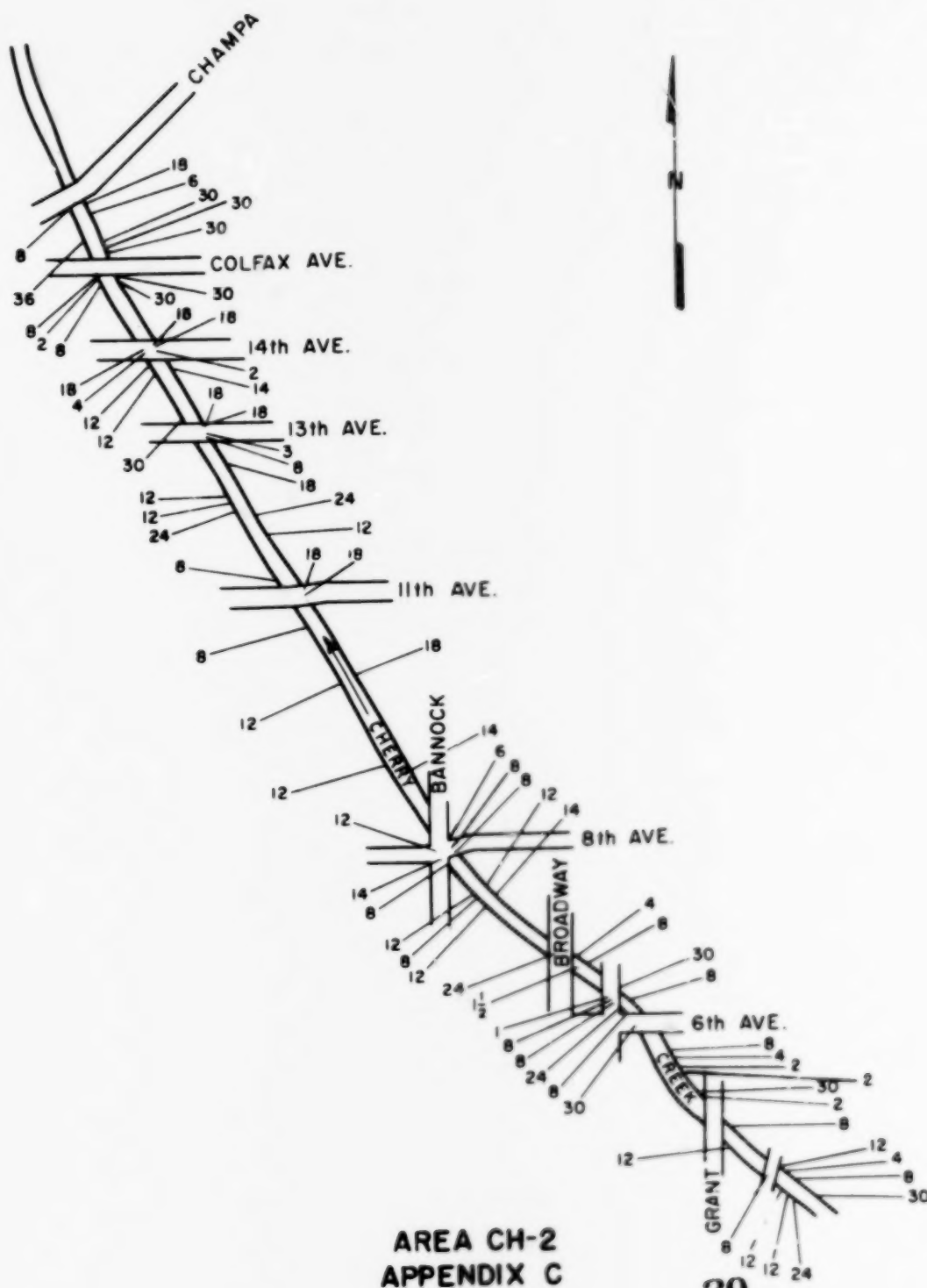


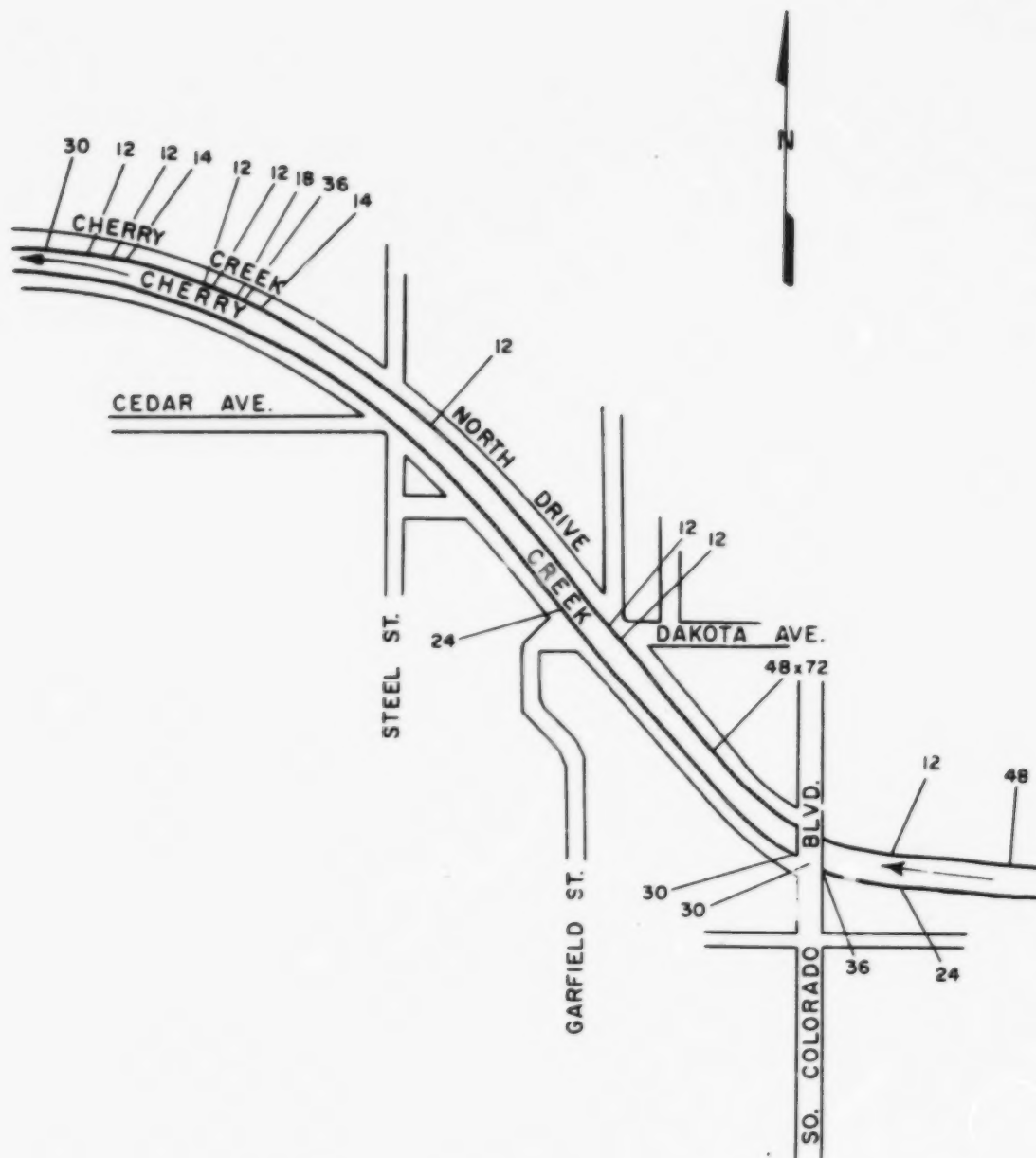


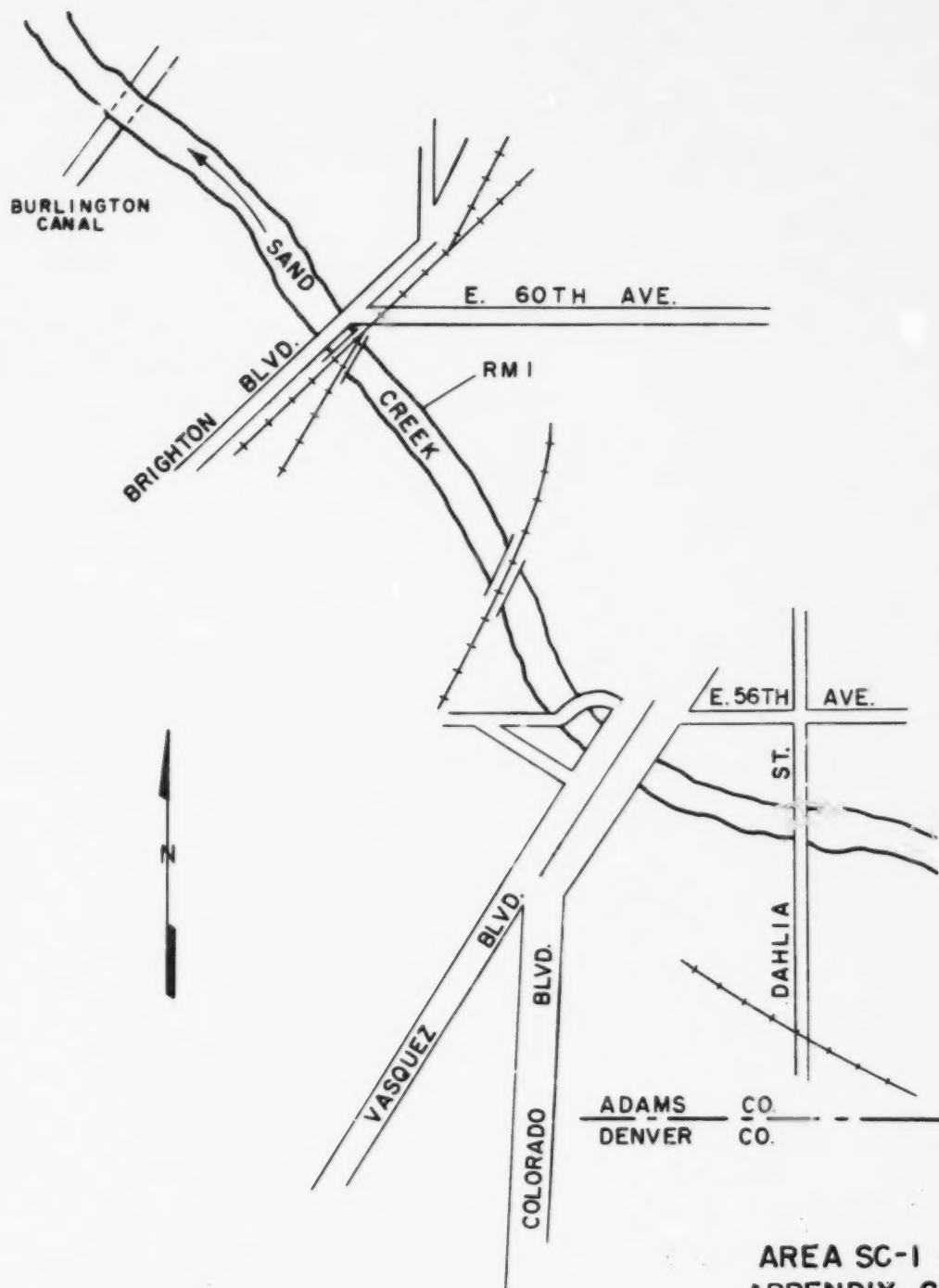


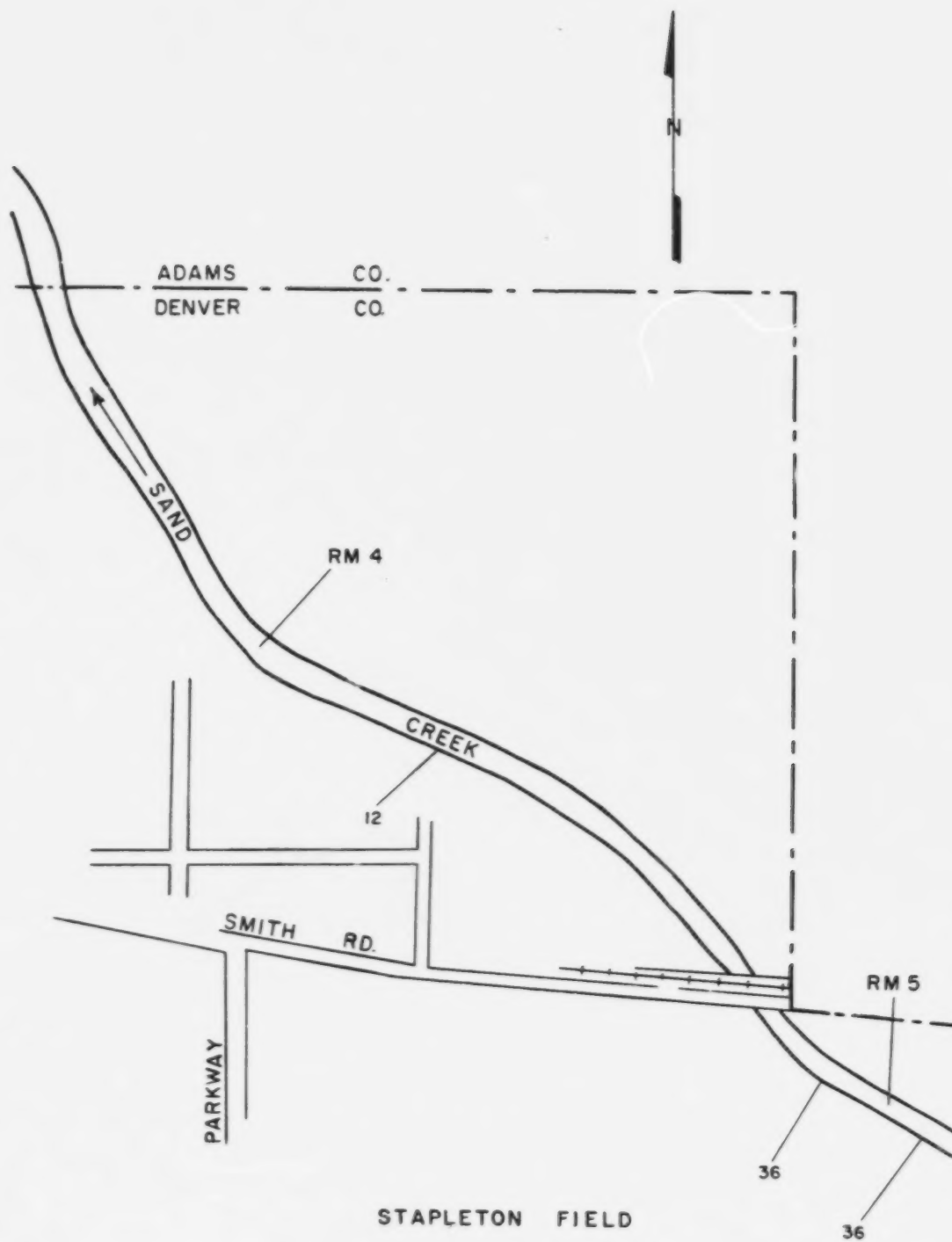




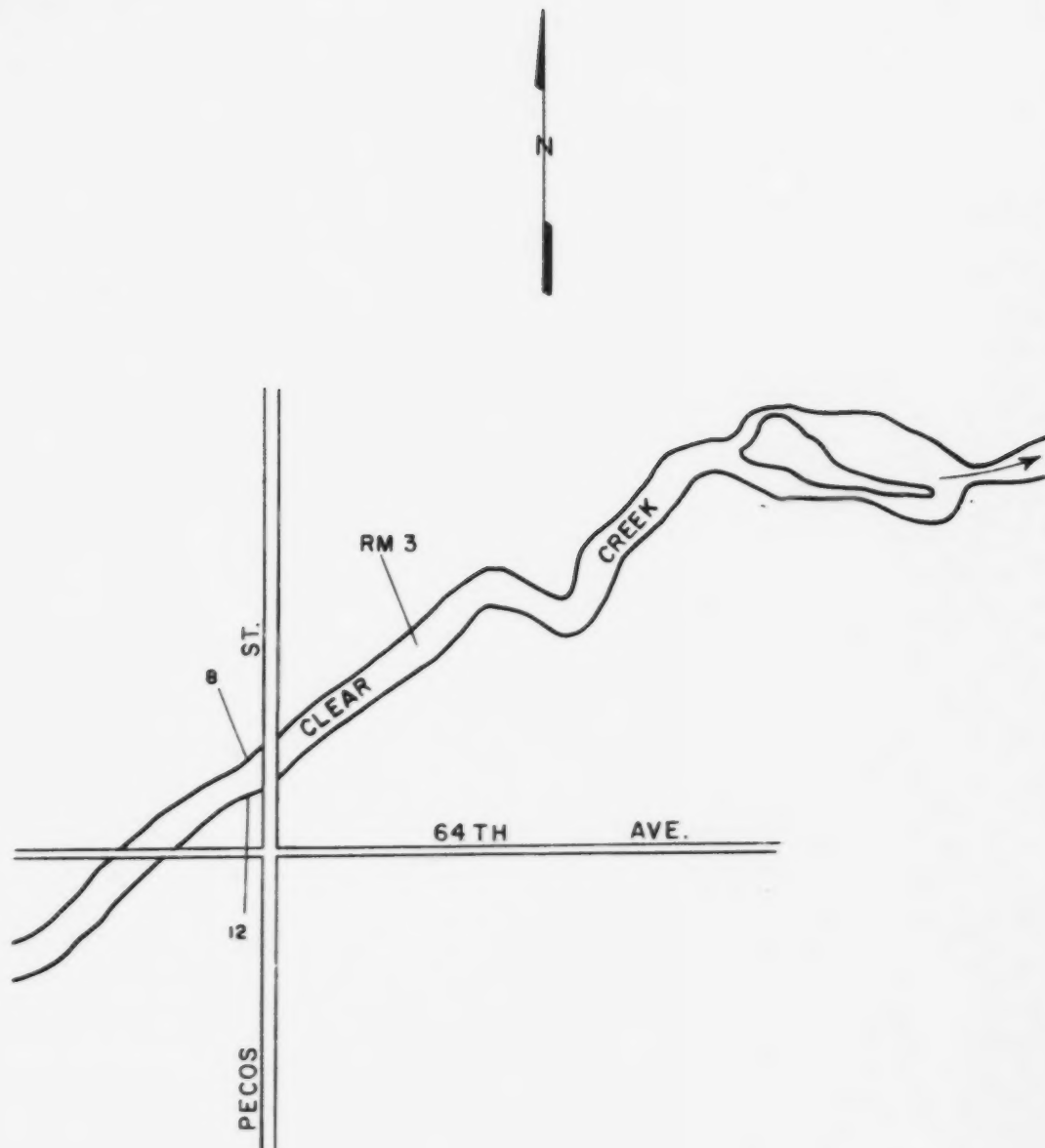


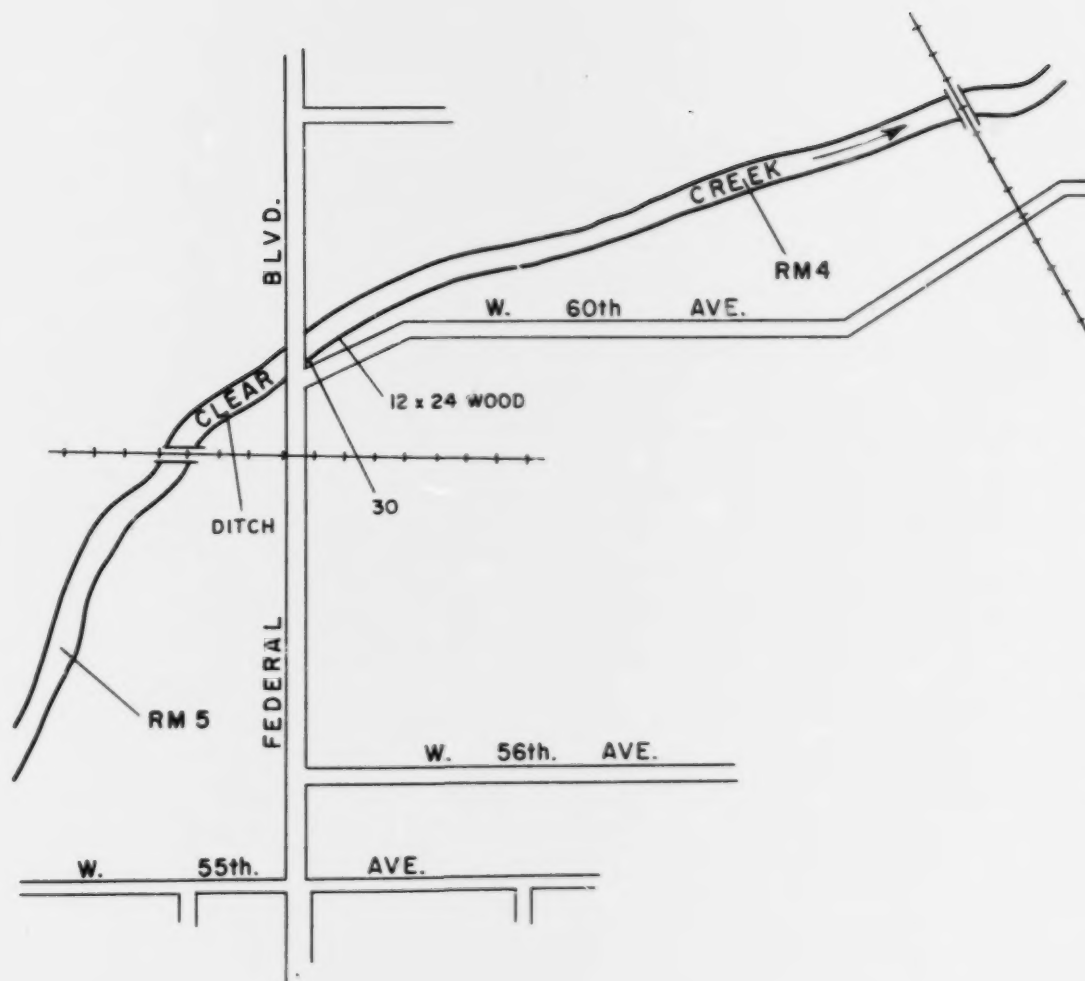


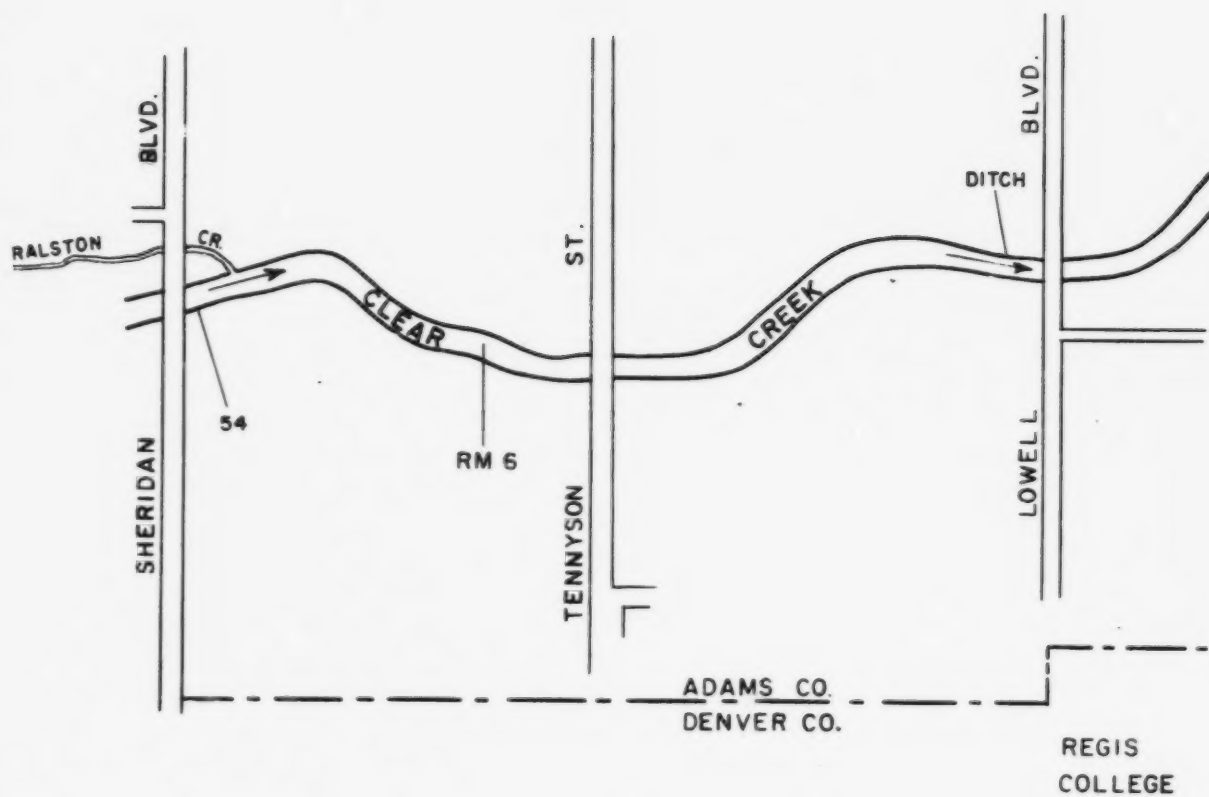


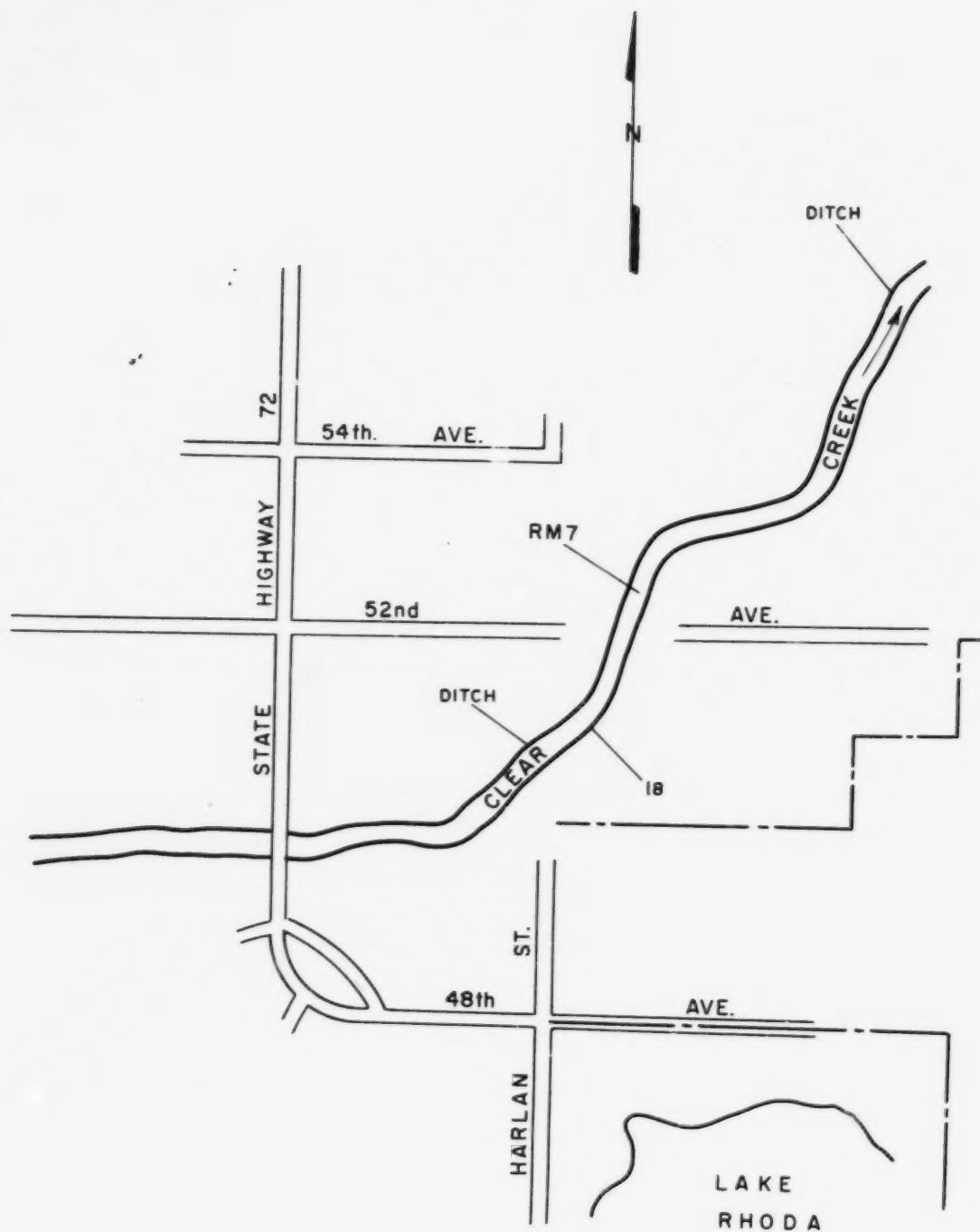


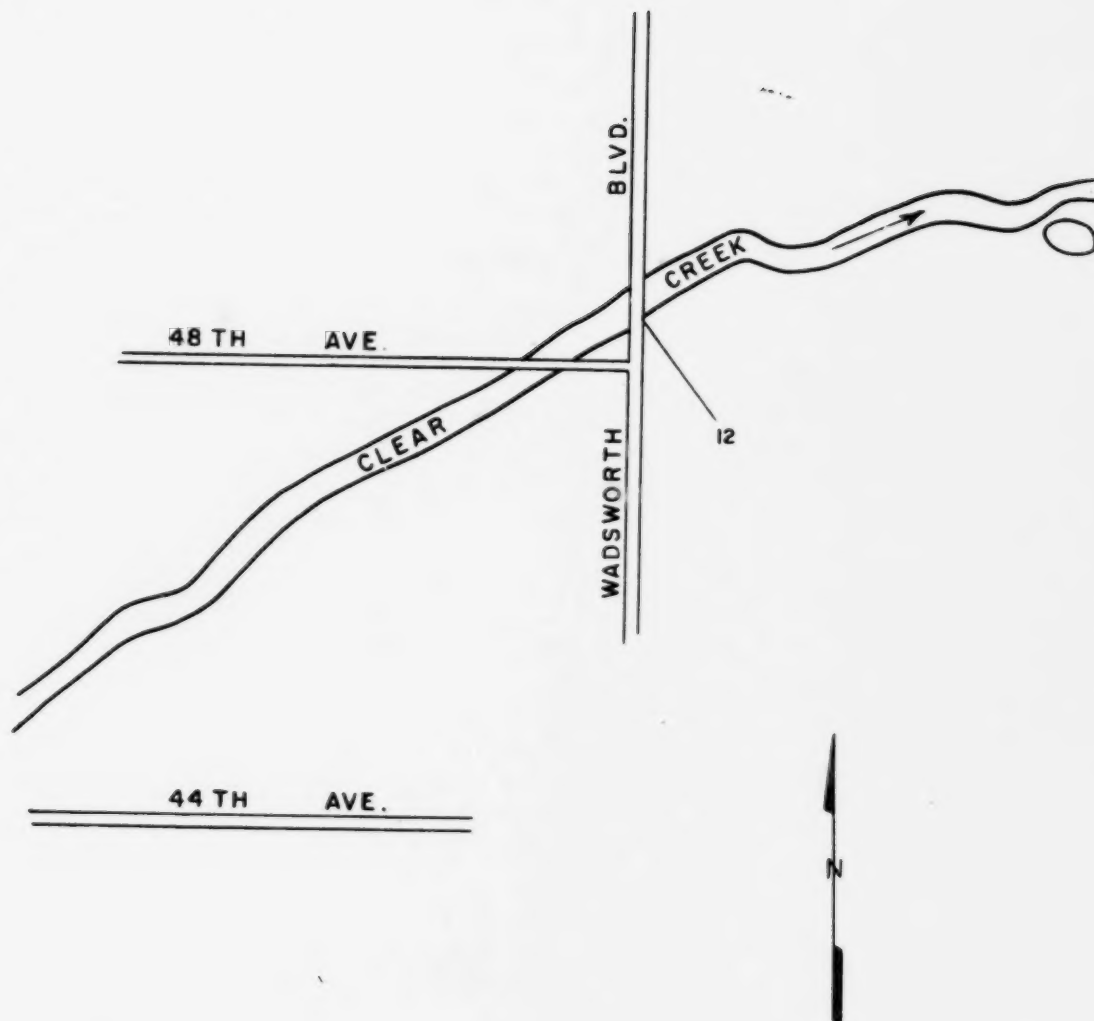


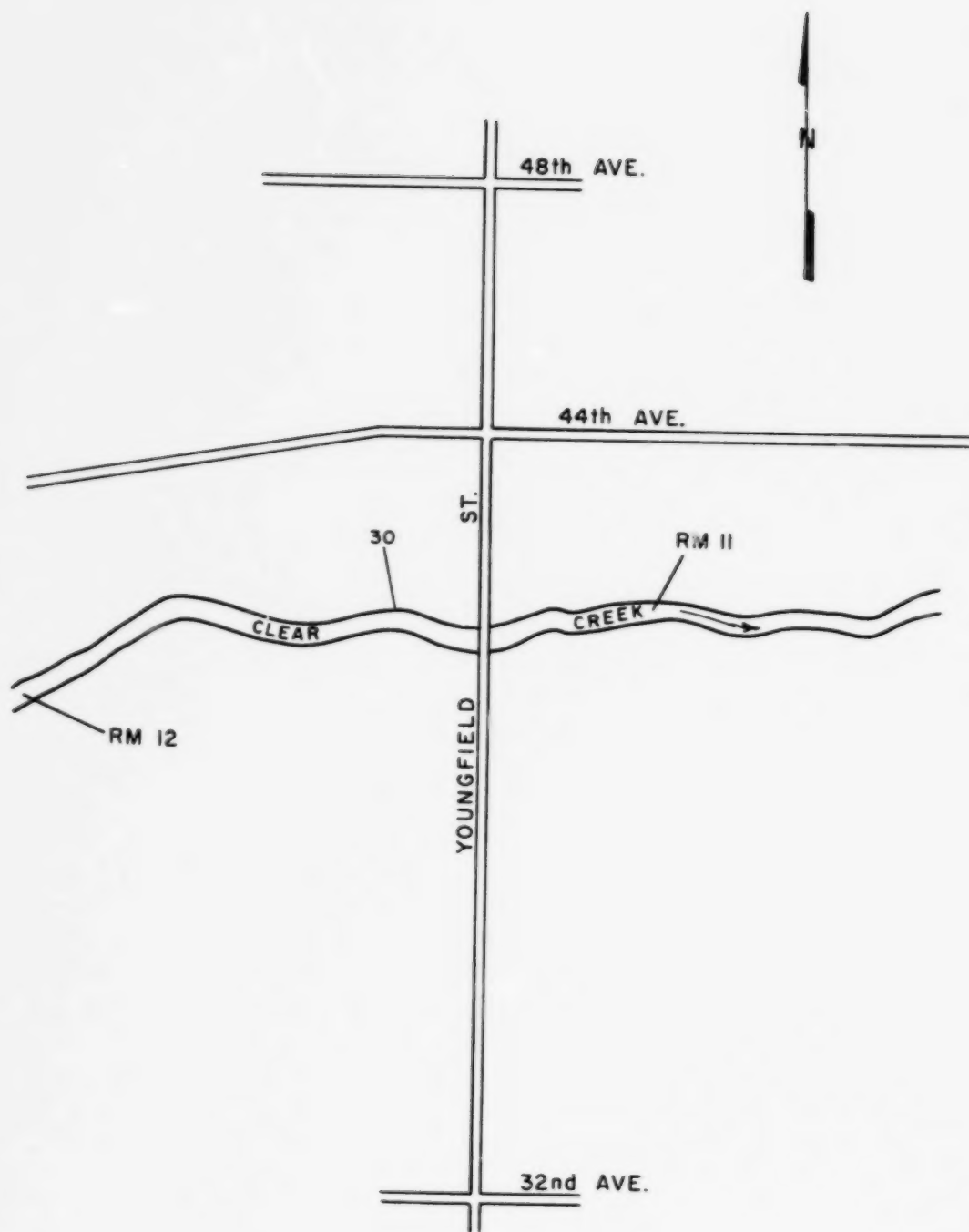












AREA CL-7
APPENDIX C
FIGURE I

Appendix C - Table I

Location Description of Outfalls and Storm Sewers to the South Platte River

Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
	Ditch	R	650 ft. N of Bowles Ave.	SP1	
	36"	R	1450 ft. N of Bowles Ave.	SP1	
	24"	L	1450 ft. N of Bowles Ave.	SP1	
	4"	L	800 ft. N of W. Berry Ave.	SP1	
	4"	L	800 ft. N of W. Berry Ave.	SP1	
	30"	R	900 ft. N of W. Berry Ave.	SP1	
	96"x96"	R	End of Prince St.	SP1	
	Ditch	R	1200 ft. S of Dartmouth Ave.	SP2	
	Ditch	R	900 ft. S of Dartmouth Ave.	SP2	
	36"	L	650 ft. S of Dartmouth Ave.	SP2	
	12"	L	520 ft. S of Dartmouth Ave.	SP2	
	36"	L	300 ft. S of Dartmouth Ave.	SP2	
	Ditch	R	250 ft. S of Dartmouth Ave.	SP2	
	24"	L	100 ft. S of Dartmouth Ave.	SP2	
	36"	L	120 ft. N of Dartmouth Ave.	SP2	
325.1	72"	L	350 ft. N of Dartmouth Ave.	SP2	Outfall sampled; Map Ident. No. 1
	12"	L	400 ft. N of Dartmouth Ave.	SP2	
	36"	L	450 ft. N of Dartmouth Ave.	SP2	
325.0	24"	L	550 ft. N of Dartmouth Ave.	SP2	Outfall sampled; Map Ident. No. 2
	54"	L	600 ft. N of Dartmouth Ave.	SP2	
	12"	L	900 ft. N of Dartmouth Ave.	SP2	
	12"	R	1000 ft. N of Dartmouth Ave.	SP2	
	32"	R	1100 ft. N of Dartmouth Ave.	SP2	
	30"	L	1550 ft. N of Dartmouth Ave.	SP2	
	8"	R	SE corner Harvard Ave.	SP2	Denver County Line
	24"	R	End of Wesley Ave.	SP2	
	12"	R	SE corner Evans Ave. Bridge	SP2	
	60"	R	End of Asbury Place	SP3	
	30"	R	325 yds. S of Florida Ave.	SP3	
	30"	L	300 yds. S of Florida Ave.	SP3	
	30"	L	25 yds. S of Florida Ave.	SP3	
322.8	Sanderson Gulch	L	100 yds. N of Florida Ave.	SP3	Outfall sampled; Map Ident. No. 3
	18"	L	NE corner S. Jason St.	SP3	
	12"	L	100 ft. S of Huron St.	SP3	

Appendix C - Table I (continued)
Location Description of Outfalls and Storm Sewers to
the South Platte River - Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
322.6	18"	L	NE corner Huron St.	SP3	
	10"	L	500 yds. S of W. Mississippi Ave. Bridge	SP3	Outfall sampled; Map Ident. No. 4
	36"	R	End of Louisiana Ave.	SP3	
	12"	L	400 yds. S of W. Mississippi Ave. Bridge	SP3	
	12"	R	50 yds. S of Santa Fe Dr. & Arizona Ave.	SP3	
322.4	48"x120"	R	S. Santa Fe Dr. & Arizona Ave.	SP3	Outfall sampled; Map Ident. No. 5
	8"	R	150 yds. S of Mississippi Ave.	SP3	
	12"	R	100 yds. S of Mississippi Ave.	SP3	
	12"	L	75 ft. S of Mississippi Ave.	SP3	
322.3	48"x72"	R	Under Mississippi Ave. Bridge	SP3	Outfall sampled; Map Ident. No. 6 Gates Rubber Co. Samsonite Corp. and other
	24"	L	20 yds. N of W. Tennessee Ave.	SP3	
	12"	R	5 ft. S of Kentucky Ave.	SP3	
	30"	R	End of Kentucky Ave.	SP3	
	36"	L	300 yds. N of Kentucky Ave.	SP3	
322.0					Outfall sampled; Map Ident. No. 8
321.9	36"	R	NE corner Ohio Ave.	SP4	Outfall sampled; Map Ident. No. 7
321.7	36"	R	Opposite Exposition Ave.	SP4	
	52"	R	Opposite Exposition Ave.	SP4	Outfall sampled; Map Ident. No. 9
	24"	R	End of Center Ave.	SP4	
321.4	30"	R	Virginia Ave. & Valley Highway	SP4	
	48"	L	1000 ft. S of Alameda Ave.	SP4	
	30"	R	200 yds. S of Alameda Ave.	SP4	Outfall sampled; Map Ident. No. 10
	48"	L	350 ft. S of Alameda Ave.	SP4	
	30"	R	150 ft. S of Alameda Ave.	SP4	
	8"	L	20 ft. S of Alameda Ave.	SP4	
	16"	R	25 ft. N of Alameda Ave.	SP4	
	30"	R	150 ft. N of Alameda Ave.	SP4	
	16"	R	100 yds. N of Alameda Ave.	SP4	
	16"	R	200 yds. N of Alameda Ave.	SP4	
	16"	R	200 yds. N of Alameda Ave.	SP4	
	42"	R	75 ft. S of Bayaud Ave.	SP4	Outfall sampled; Map Ident. No. 11

Appendix C - Table I (continued)

Location Description of Outfalls and Storm Sewers to
the South Platte River - Denver Metropolitan Area

River	Mileage	Size	Side	Location	Sheet No.	Remarks
		16"	R	50 ft. N of Bayaud Ave.	SP4	
		12"	R	100 yds. N of Bayaud Ave.	SP4	
		16"	R	150 yds. N of Bayaud Ave.	SP4	
		16"	R	Ellsworth Ave. & Valley Highway	SP4	
		16"	R	500 yds. S of 3rd Ave. Bridge	SP4	
		16"	R	400 yds. S of 3rd Ave. Bridge	SP4	
		16"	R	300 yds. S of 3rd Ave. Bridge	SP4	
		24"	R	150 yds. S of 3rd Ave. Bridge	SP4	
		10"	L	75 yds. S of 3rd Ave. Bridge	SP4	
		24"	R	75 ft. S of 3rd Ave. Bridge	SP4	
		6"	L	20 ft. S of 3rd Ave. Bridge	SP4	
		36"	R	50 ft. N of 3rd Ave. Bridge	SP4	
		16"	R	100 ft. N of 3rd Ave. Bridge	SP4	
		6"	L	50 yds. N of 3rd Ave. Bridge	SP4	
		6"	L	100 yds. N of 3rd Ave. Bridge	SP4	
		16"	R	150 yds. N of 3rd Ave. Bridge	SP4	
		18"	L	150 yds. N of 3rd Ave. Bridge	SP4	
		6"	L	400 yds. S of 4th Ave.	SP4	
		24"	L	100 yds. S of 4th Ave.	SP4	
		24"	R	5th Ave.	SP5	
		24"	R	5th Ave.	SP5	
		24"	L	NW corner 5th Ave.	SP5	
320.0		36"	L	20 yds. N of 5th Ave.	SP5	Outfall sampled; Map Ident. No. 12
		24"	R	100 ft. S of 6th Ave.	SP5	
		24"	R	Middle of 6th Ave.	SP5	
		30"	L	Middle of 6th Ave.	SP5	
319.8		16"	R	40 ft. N of 6th Ave.	SP5	
		3"	L	100 yds. N of 6th Ave.	SP5	Outfall sampled; Map Ident. No. 13
		4"	L	75 yds. S of 7th Ave.	SP5	
		30"	R	50 yds. S of 7th Ave.	SP5	
		24"	R	50 ft. S of 7th Ave.	SP5	
		30"	L	7th Ave.	SP5	
		6"	L	18 yds. N of 7th Ave.	SP5	
		10"	R	20 yds. N of 7th Ave.	SP5	
		12"	L	25 yds. N of 7th Ave.	SP5	
		21"	R	50 ft. S of 8th Ave. Bridge	SP5	
		24"	L	15 yds. S of 8th Ave. Bridge	SP5	
		12"	L	10 yds. S of 8th Ave. Bridge	SP5	
		12"	R	50 yds. N of 8th Ave. Bridge	SP5	
		1½"	R	60 yds. N of 8th Ave. Bridge	SP5	
		2"	R	60 yds. N of 8th Ave. Bridge	SP5	

Appendix C - Table I (continued)

Location Description of Outfalls and Storm Sewers to
the South Platte River - Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
	18"	R	200 ft. N of 8th Ave. Bridge	SP5	
	1½"	R	70 yds. N of 8th Ave. Bridge	SP5	
	1½"	R	70 yds. N of 8th Ave. Bridge	SP5	
	1½"	R	70 yds. N of 8th Ave. Bridge	SP5	
	18"	R	200 yds. N of 8th Ave. Bridge	SP5	
319.5	Weir Gulch	L	200 yds. N of 8th Ave. Bridge	SP5	Outfall sampled; Map Ident. No. 14
319.5	18"	R	200 yds. N of 8th Ave. Bridge	SP5	Outfall sampled; Map Ident. No. 15
	18"	R	300 yds. N of 8th Ave. Bridge	SP5	
	60"	L	100 yds. S of 11th Ave.	SP5	
	12"	L	SW corner 11th Ave.	SP5	
	18"	R	11th Ave.	SP5	
	36"	R	11th Ave.	SP5	
	12"	L	NW corner 11th Ave.	SP5	
	12"	L	NW corner 11th Ave.	SP5	
	24"	L	100 yds. S of 13th Ave.	SP5	
	12"	R	50 ft. S of 13th Ave.	SP5	
	18"	L	12 ft. S of 13th Ave.	SP5	
	12"	L	12 ft. N of 13th Ave.	SP5	
	12"	R	100 ft. N of 13th Ave.	SP5	Pub. Serv. Co.
	16"	R	105 ft. N of 13th Ave.	SP5	Pub. Serv. Co.
	12"	R	110 ft. N of 13th Ave.	SP5	Pub. Serv. Co.
	30"	R	135 ft. N of 13th Ave.	SP5	Pub. Serv. Co.
	3"x96"	R	140 ft. N of 13th Ave.	SP5	Pub. Serv. Co.
	6"	L	80 yds. N of 13th Ave.	SP5	
	8"	L	100 yds. N of 13th Ave.	SP5	
	12"	R	100 yds. N of 13th Ave.	SP5	
	8"	R	100 yds. N of 13th Ave.	SP5	
	6"	L	100 yds. N of 13th Ave.	SP5	
	6"	L	50 ft. S of RR Bridge	SP5	Pub. Serv. Co.
319.0	Dry Gulch	R	50 ft. N of RR Bridge	SP5	Outfall sampled; Map Ident. No. 16
319.0	16"	R	SE corner Colfax Ave. Bridge	SP5	Outfall sampled; Map Ident. No. 17
318.9	16"	R	SE corner Colfax Ave. Bridge	SP5	Outfall sampled; Map Ident. No. 18
	6"	R	NE corner Colfax Ave. Bridge	SP5	
	8"	L	3 ft. N of Colfax Ave. Bridge	SP5	
318.9	48"	L	12 ft. N of Colfax Ave. Bridge	SP5	Outfall sampled; Map Ident. No. 19
	8"	L	60 yds. N of Colfax Ave.	SP5	
	10"	R	16th Ave.	SP5	
	24"x48"	L	150 yds. S of Valley Highway	SP5	

Appendix C - Table I (continued)

Location Description of Outfalls and Storm Sewers to
the South Platte River - Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
	30"	R	25 yds. N of Valley Highway	SP5	
	36"	R	125 yds. N of Valley Highway	SP6	
318.5	18"	L	250 yds. N of Valley Highway	SP6	Outfall sampled; Map Ident. No. 20
318.4	48"x60"	L	550 yds. S of 7th St.	SP6	Outfall sampled; Map Ident. No. 21
	30"	L	350 yds. S of 7th St.	SP6	
	6"	R	300 yds. S of 7th St.	SP6	
	2"	R	200 yds. S of 7th St.	SP6	
	Submerged	R	50 ft. S of 7th St.	SP6	
318.1	48"x72"	L	NW corner 7th St. Bridge	SP6	Outfall sampled; Map Ident. No. 22
	6"x8" Wooden	R	150 yds. N of 7th St.	SP6	
	16"	L	230 yds. S of Speer Blvd.	SP6	
	12"	L	200 yds. S of Speer Blvd.	SP6	
	48"	L	75 yds. S of Speer Blvd.	SP6	
	24"	R	50 ft. S of Speer Blvd.	SP6	
	18"	R	40 ft. S of Speer Blvd.	SP6	
	10"	L	124 yds. S of 15th St.	SP6	
	2"	L	98 yds. S of 15th St.	SP6	
	18"	L	92 yds. S of 15th St.	SP6	
	10"	L	92 yds. S of 15th St.	SP6	
	6"	L	90 yds. S of 15th St.	SP6	
	12"	L	80 yds. S of 15th St.	SP6	
	2"	L	65 yds. S of 15th St.	SP6	
	2"	L	65 yds. S of 15th St.	SP6	
	30"	L	5 ft. S of 15th St.	SP6	
	30"	L	10 ft. N of 15th St.	SP6	
	30"	L	90 yds. S of 16th St.	SP6	
	18"	L	70 yds. N of 16th St.	SP6	
	24"	L	80 yds. S of 19th St.	SP6	
317.4	36"x60"	L	70 yds. S of 19th St.	SP6	Outfall sampled; Map Ident. No. 33
	24"	L	50 ft. S of 19th St.	SP6	
	2"	L	N corner 19th St. Bridge	SP6	
317.3	48"x60"	L	20 ft. N of 19th St. Bridge	SP6	Outfall sampled; Map Ident. No. 34
317.3	24"	L	75 ft. N of 19th St. Bridge	SP6	Outfall sampled; Map Ident. No. 35
317.2	72"	L	100 yds. N of 20th St. Bridge	SP6	Outfall sampled; Map Ident. No. 36
	48"	R	End Inca St.	SP6	
	4"	L	120 yds. S of 23rd St.	SP6	
	4"	L	100 yds. S of 23rd St.	SP6	
	10"	L	80 ft. S of 23rd St.	SP6	

Appendix C - Table I (continued)

Location Description of Outfalls and Storm Sewers to
the South Platte River - Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
316.8	8"	L	50 ft. S of 23rd St.	SP6	Outfall sampled; Map Ident. No. 37
	12"	R	25 ft. N of 23rd St.	SP6	
	4"	R	25 ft. N of 23rd St.	SP6	
	Pipe	R	25 ft. S of RR Bridge at W. Benton Ct.	SP6	
	6"	L	200 yds. N of 23rd St.	SP6	
	4"	L	200 yds. N of 23rd St.	SP6	
	4"	L	200 yds. N of 23rd St.	SP6	
	12"	L	225 yds. N of 23rd St.	SP6	
	8"	L	300 yds. N of 23rd St.	SP6	
316.5	30"	L	600 yds. S of 31st St.	SP7	Outfall sampled; Map Ident. No. 38
	48"	L	605 yds. S of 31st St.	SP7	
	12"	R	Imm. W of Pacific Fruit Co.	SP7	
	12"	R	10 yds. S of Amato Fruit Co.	SP7	
	24"	R	Opposite Amato Fruit Co.	SP7	
	10"	L	400 yds. S of 31st St.	SP7	
	12"	L	300 yds. S of 31st St.	SP7	
	12"	R	300 yds. S of 31st St.	SP7	
316.4	10"	L	260 yds. S of 31st St.	SP7	Outfall sampled; Map Ident. No. 39
316.3	6"	L	228 yds. S of 31st St.	SP7	Outfall sampled; Map Ident. No. 40
	3"	L	225 yds. S of 31st St.	SP7	
	4"	L	215 yds. S of 31st St.	SP7	
	12"	L	105 yds. S of 31st St.	SP7	
	10"	L	100 yds. S of 31st St.	SP7	
	12"	R	100 yds. S of 31st St.	SP7	
	6"	R	100 yds. S of 31st St.	SP7	
316.2	Covered	R	50 yds. S of 31st St.	SP7	Outfall sampled; Map Ident. No. 41
316.2	10"	L	18 ft. S of 31st St.	SP7	Outfall sampled; Map Ident. No. 42
	12"	R	S edge 31st St.	SP7	
	3"	R	N edge 31st St.	SP7	
	18"	R	N edge 31st St.	SP7	
	48"	R	40 ft. N of 31st St.	SP7	
	12"	R	50 ft. N of 31st St.	SP7	
	18"	L	200 yds. N of 31st St.	SP7	
	12"	R	End of 33rd St.	SP7	
316.0	12"	L	950 yds. S of 38th St.	SP7	Outfall sampled; Map Ident. No. 43
	12"	L	950 yds. S of 38th St.	SP7	

Appendix C - Table I (continued)
 Location Description of Outfalls and Storm Sewers to
 the South Platte River - Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
315.9	4"	L	875 yds. S of 38th St.	SP7	Outfall sampled; Map Ident. No. 44
315.8	8"	L	775 yds. S of 38th St.	SP7	Outfall sampled; Map Ident. No. 45
315.8	24"	L	700 yds. S of 38th St.	SP7	Outfall sampled; Map Ident. No. 46
	12"	R	300 yds. S of 35th St.	SP7	
	12"	R	150 yds. S of 35th St.	SP7	
	24"	L	500 yds. S of 38th St.	SP7	
315.7	84"	R	36th and Arkins Ct.	SP7	Outfall sampled; Map Ident. No. 47
	24"	R	NE edge 38th St. Bridge	SP7	
	Springs	R	75 yds. N of 38th St.	SP7	
	2"x2"	L	20 yds. N of 38th St.	SP7	
315.5	double 72"x 72"	R	100 yds. N of 38th St.	SP7	Outfall sampled; Map Ident. No. 48
	24"	L	475 yds. N of 38th St.	SP7	
315.3	30"	R	100 yds. S of 46th Ave.	SP7	Outfall sampled; Map Ident. No. 49
	66"	L	75 yds. S of 46th Ave.	SP7	
	18"	R	20 yds. S of 46th Ave.	SP7	
	18"	R	25 ft. S of 46th Ave.	SP7	
	18"	R	NE corner 46th Ave.	SP7	
	1½"	L	NW corner 46th Ave.	SP7	
	36"	L	20 ft. N of 46th Ave.	SP7	
	24"	R	120 yds. N of 46th Ave.	SP7	
	10"	R	175 yds. N of 46th Ave.	SP7	
315.1	4"	R	177 yds. N of 46th Ave.	SP7	Outfall sampled; Map Ident. No. 50
	10"	R	185 yds. N of 46th Ave.	SP7	
	2½"	R	200 yds. N of 46th Ave.	SP7	
	24"	R	200 ft. S of RR Bridge at Elk Place	SP7	
315.0	24"x72"	L	47th Ave.	SP7	Outfall sampled; Map Ident. No. 51
315.0	72"	R	47th Ave.	SP7	Outfall sampled; Map Ident. No. 52
	12"	L	20 yds. N of RR Bridge at Elk Place	SP7	
	2"	L	20 yds. N of RR Bridge at Elk Place	SP7	
	10"	L	100 yds. N of RR Bridge at Elk Place	SP7	

Appendix C - Table I (continued)
 Location Description of Outfalls and Storm Sewers to
 the South Platte River - Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
314.9	30"	R	48th Ave.	SP7	Outfall sampled; Map Ident. No. 53
	12"	R	50 yds. S of cattle overpass	SP7	
	18"	R	75 yds. S of sewage crossover	SP8	
	36"	L	56 yds. S of sewage crossover	SP8	
	30"	L	3 yds. N of sewage crossover	SP8	
	30"	L	10 yds. N of sewage crossover	SP8	
314.5	42"	L	200 ft. N of sewage crossover	SP8	Outfall sampled; Map Ident. No. 54
	36"	R	75 yds. N of sewage crossover	SP8	
	24"	R	230 ft. N of sewage crossover	SP8	
	30"	R	50 ft. S of Franklin St. Bridge	SP8	
314.3	24"	R	In line with 52nd Ave., 50 ft. N of Franklin St.	SP8	Outfall sampled; Map Ident. No. 55
	30"	R	20 ft. N of Franklin St.	SP8	
314.0	24"	L	600 yds. N of Franklin St.	SP8	Denver County Line Outfall sampled; Map Ident. No. 56
313.9	16"	L	660 yds. N of Franklin St.	SP8	Outfall sampled; Map Ident. No. 57
	36"	R	900 yds. S of Sand Creek confluence	SP8	
	Ditch	R	800 yds. S of Sand Creek confluence	SP9	
	24"x24"	R	600 yds. S of Sand Creek confluence	SP9	

Appendix C - Table II

Location Description of Outfalls and Storm Sewers to Bear Creek

Denver Metropolitan Area

Size	Side	Location	Sheet No.	Remarks
Ditch	L	200 ft. N of Route 285 Bridge, Morrison	BC4	
12"	L	500 ft. N of Route 285 Bridge, Morrison	BC4	
18"	L	120 ft. W of Wadsworth Blvd.	BC3	
12"	L	20 ft. W of Wadsworth Blvd.	BC3	
12"	L	20 ft. E of Wadsworth Blvd.	BC3	
12"	R	20 ft. E of Wadsworth Blvd.	BC3	
24"	R	500 ft. E of Wadsworth Blvd.	BC3	
6"	L	100 ft. W of Pierce St.	BC3	
24"	L	50 ft. W of Pierce St.	BC3	
14"	R	20 ft. W of Pierce St.	BC3	
24"	L	400 ft. E of Pierce St.	BC3	
				Denver County Line
30"	L	300 yds. E of Pierce St.	BC3	
30"	L	350 yds. E of Pierce St.	BC3	
48"	L	380 yds. E of Pierce St.	BC3	
30"	L	400 yds. E of Pierce St.	BC2	
16"	R	700 yds. W of S. Sheridan Blvd.	BC2	
30"	L	600 yds. W of S. Sheridan Blvd.	BC2	
48"	L	500 yds. W of S. Sheridan Blvd.	BC2	
Ditch	R	400 yds. W of S. Sheridan Blvd.	BC2	
30"	L	200 yds. W of S. Sheridan Blvd.	BC2	
30"	R	150 ft. W of S. Sheridan Blvd.	BC2	
16"	L	120 ft. W of S. Sheridan Blvd.	BC2	
18"	L	80 ft. W of S. Sheridan Blvd.	BC2	
48"	R	150 ft. E of S. Sheridan Blvd.	BC2	
36"	L	200 ft. N of Colorado Route 70	BC1	
24"	R	300 ft. W of S. Federal Blvd.	BC1	
12"	R	30 ft. W of S. Federal Blvd.	BC1	
18"	R	50 ft. E of S. Federal Blvd.	BC1	
36"	L	200 yds. E of S. Federal Blvd.	BC1	

Appendix C - Table III

Location Description of Outfalls and Storm Sewers to Cherry Creek

Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
317.7/5.7	48"	R	400 yds. E of S. Colorado Blvd.	CH4	Outfall sampled; Map Ident. No. 23
	24"	L	500 ft. E of S. Colorado Blvd.	CH4	
	12"	R	450 ft. E of S. Colorado Blvd.	CH4	
	36"	L	20 ft. E of S. Colorado Blvd.	CH4	
	30"	L	Under Colorado Blvd. Bridge	CH4	
	30"	L	40 ft. W of Colorado Blvd. Bridge	CH4	
	48"x72"	R	1000 ft. W of Colorado Blvd. Bridge	CH4	
	12"	R	Under Dakota Ave. Bridge	CH4	
	12"	R	5 ft. W of Dakota Ave. Bridge	CH4	
	24"	L	SW corner Garfield St. Bridge	CH4	
317.7/3.1	12"	R	30 ft. E of Steele St.	CH4	Outfall sampled; Map Ident. No. 24
	14"	R	2000 ft. E of University Blvd.	CH4	
	36"	R	1900 ft. E of University Blvd.	CH4	
	18"	R	1850 ft. E of University Blvd.	CH4	
	12"	R	1700 ft. E of University Blvd.	CH4	
	12"	R	1650 ft. E of University Blvd.	CH4	
	14"	R	1200 ft. E of University Blvd.	CH4	
	12"	R	1100 ft. E of University Blvd.	CH4	
	12"	R	950 ft. E of University Blvd.	CH4	
	30"	R	700 ft. E of University Blvd.	CH4	
	18"	L	200 ft. E of University Blvd.	CH3	
	8"	L	40 ft. E of University Blvd.	CH3	
	8"	R	20 ft. E of University Blvd.	CH3	
	8"	R	Under University Blvd. Bridge	CH3	
	12"	L	Under University Blvd. Bridge	CH3	
	12"	L	Under University Blvd. Bridge	CH3	
	8"	L	250 ft. E of Downing St.	CH3	
	48"	R	250 ft. E of Downing St.	CH3	
	1 1/2"	R	200 ft. E of Downing St.	CH3	
	14"	R	150 ft. E of Downing St.	CH3	
	12"	L	100 ft. E of Downing St.	CH3	
	12"	R	20 ft. E of Downing St.	CH3	

Appendix C - Table III (continued)
 Location Description of Outfalls and Storm Sewers
 to Cherry Creek - Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
	8"	L	20 ft. E of Downing St.	CH3	
	6"	R	Under Downing St.	CH3	
	12"	R	Under Downing St.	CH3	
	12"	R	10 ft. W of Downing St.	CH3	
	12"	R	50 ft. W of Downing St.	CH3	
	12"	R	100 ft. W of Downing St.	CH3	
	12"	R	150 ft. W of Downing St.	CH3	
	3"	R	350 ft. W of Downing St.	CH3	
	12"	R	600 ft. W of Downing St.	CH3	
	12"	R	150 ft. E of Clarkson St.	CH3	
	12"	L	100 ft. E of Clarkson St.	CH3	
	12"	R	50 ft. E of Clarkson St.	CH3	
	8"	R	10 ft. E of Clarkson St.	CH3	
	3"	R	100 ft. W of Clarkson St.	CH3	
	18"	R	150 ft. W of Clarkson St.	CH3	
	18"	R	150 ft. W of Clarkson St.	CH3	
317.7/2.7	54"	L	400 ft. W of Clarkson St.	CH3	Outfall sampled; Map Ident. No. 25
	10"	R	450 ft. W of Clarkson St.	CH3	
	12"	L	850 ft. W of Clarkson St.	CH3	
	8"	R	850 ft. W of Clarkson St.	CH3	
	8"	R	1000 ft. W of Clarkson St.	CH3	
	30"	R	300 ft. E of Logan St.	CH2	
317.7/2.6	24"	L	200 ft. E of Logan St.	CH2	Outfall sampled; Map Ident. No. 26
	12"	L	150 ft. E of Logan St.	CH2	
	8"	R	50 ft. E of Logan St.	CH2	
	12"	L	20 ft. E of Logan St.	CH2	
	4"	R	20 ft. E of Logan St.	CH2	
	12"	R	Under Logan St.	CH2	
	8"	L	Under Logan St.	CH2	
	12"	L	50 ft. E of Grant St.	CH2	
	8"	R	10 ft. E of Grant St.	CH2	
	2"	R	50 ft. W of Grant St.	CH2	
	30"	R	100 ft. W of Grant St.	CH2	
	2"	R	300 ft. W of Grant St.	CH2	
	2"	R	300 ft. W of Grant St.	CH2	
	4"	R	400 ft. W of Grant St.	CH2	
	8"	R	450 ft. W of Grant St.	CH2	
	30"	L	600 ft. E of Broadway	CH2	
	8"	L	500 ft. E of Broadway	CH2	
	8"	R	480 ft. E of Broadway	CH2	

Appendix C - Table III (continued)
Location Description of Outfalls and Storm Sewers
to Cherry Creek - Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
	24"	L	470 ft. E of Broadway	CH2	
	8"	L	400 ft. E of Broadway	CH2	
	8"	L	350 ft. E of Broadway	CH2	
	1"	L	340 ft. E of Broadway	CH2	
	30"	R	330 ft. E of Broadway	CH2	
	8"	R	150 ft. E of Broadway	CH2	
	4"	R	30 ft. E of Broadway	CH2	
	1½"	L	10 ft. E of Broadway	CH2	
	24"	L	Under Broadway	CH2	
	12"	L	450 ft. E of 8th Ave.	CH2	
	14"	R	400 ft. E of 8th Ave.	CH2	
	8"	L	350 ft. E of 8th Ave.	CH2	
	12"	L	330 ft. E of 8th Ave.	CH2	
	12"	R	320 ft. E of 8th Ave.	CH2	
	8"	L	100 ft. E of 8th Ave.	CH2	
	14"	L	30 ft. E of 8th Ave.	CH2	
	8"	R	10 ft. E of 8th Ave.	CH2	
	12"	L	Under 8th Ave.	CH2	
	8"	R	Under 8th Ave.	CH2	
	6"	R	10 ft. W of 8th Ave.	CH2	
	14"	R	550 ft. N of 8th Ave.	CH2	
	12"	L	650 ft. N of 8th Ave.	CH2	
	12"	L	650 ft. S of 11th Ave.	CH2	
317.7/1.8	18"	R	650 ft. S of 11th Ave.	CH2	Outfall sampled; Map Ident. No. 27
	8"	L	200 ft. S of 11th Ave.	CH2	
	18"	R	Under 11th Ave.	CH2	
	18"	R	Under 11th Ave.	CH2	
	8"	L	100 ft. N of 11th Ave.	CH2	
317.7/1.5	12"	R	400 ft. N of 11th Ave.	CH2	Outfall sampled; Map Ident. No. 28
	24"	R	550 ft. N of 11th Ave.	CH2	
	24"	L	500 ft. S of 13th Ave.	CH2	
	12"	L	450 ft. S of 13th Ave.	CH2	
	12"	L	400 ft. S of 13th Ave.	CH2	
	18"	R	200 ft. S of 13th Ave.	CH2	
	8"	R	Under 13th Ave.	CH2	
	3"	R	Under 13th Ave.	CH2	
	18"	R	Under 13th Ave.	CH2	
	18"	R	Under 13th Ave.	CH2	
	30"	L	50 ft. N of 13th Ave.	CH2	
	14"	R	150 ft. S of 14th Ave.	CH2	

Appendix C - Table III (continued)
Location Description of Outfalls and Storm Sewers
to Cherry Creek - Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
	12"	L	100 ft. S of 14th Ave.	CH2	
	12"	L	20 ft. S of 14th Ave.	CH2	
	2"	R	Under 14th Ave. Bridge	CH2	
	18"	R	Under 14th Ave. Bridge	CH2	
	18"	R	Under 14th Ave. Bridge	CH2	
	4"	L	Under 14th Ave. Bridge	CH2	
	18"	L	Under 14th Ave. Bridge	CH2	
	8"	L	100 ft. S of Colfax Ave.	CH2	
	2"	L	50 ft. S of Colfax Ave.	CH2	
	8"	L	20 ft. S of Colfax Ave.	CH2	
	30"	R	20 ft. S of Colfax Ave.	CH2	
	30"	R	20 ft. S of Colfax Ave.	CH2	
	30"	R	150 ft. N of Colfax Ave.	CH2	
317.7/1.2	30"	R	150 ft. N of Colfax Ave.	CH2	Outfall sampled; Map Ident. No. 29
	30"	R	150 ft. N of Colfax Ave.	CH2	
317.7/1.2	36"	L	150 ft. N of Colfax Ave.	CH2	Outfall sampled; Map Ident. No. 30
	6"	R	120 ft. S of Champa St.	CH2	
	18"	R	50 ft. S of Champa St.	CH2	
	8"	L	30 ft. S of Champa St.	CH2	
	16"	L	150 ft. S of Curtis St.	CH1	
	6"	R	120 ft. S of Curtis St.	CH1	
	3"	R	100 ft. S of Curtis St.	CH1	
	6"	R	80 ft. S of Curtis St.	CH1	
	12"	L	70 ft. S of Curtis St.	CH1	
	6"	R	50 ft. S of Curtis St.	CH1	
	8"	R	50 ft. N of Curtis St.	CH1	
317.7/0.8	30"	L	60 ft. N of Curtis St.	CH1	Outfall sampled; Map Ident. No. 31
	8"	R	50 ft. S of Arapahoe St.	CH1	
	4"	L	120 ft. N of Arapahoe St.	CH1	
	8"	R	120 ft. N of Arapahoe St.	CH1	
	12"	R	180 ft. N of Arapahoe St.	CH1	
	12"	R	220 ft. N of Arapahoe St.	CH1	
	4"	R	300 ft. N of Arapahoe St.	CH1	
	8"	R	150 ft. S of Larimer St.	CH1	
	8"	R	80 ft. S of Larimer St.	CH1	
	8"	R	10 ft. S of Larimer St.	CH1	
	4"	L	60 ft. N of Larimer St.	CH1	
	8"	R	100 ft. N of Larimer St.	CH1	
	8"	L	120 ft. N of Larimer St.	CH1	
	6"	R	120 ft. N of Larimer St.	CH1	

Appendix C - Table III (continued)
 Location Description of Outfalls and Storm Sewers
 to Cherry Creek - Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
	4"	L	200 ft. N of Larimer St.	CH1	
	2"	R	200 ft. N of Larimer St.	CH1	
	8"	L	270 ft. N of Larimer St.	CH1	
	4"	R	300 ft. N of Larimer St.	CH1	
	6"	L	320 ft. N of Larimer St.	CH1	
	6"	R	280 ft. S of Market St.	CH1	
	6"	L	220 ft. S of Market St.	CH1	
	6"	R	180 ft. S of Market St.	CH1	
	8"	L	120 ft. S of Market St.	CH1	
	12"	L	100 ft. S of Market St.	CH1	
	12"	R	100 ft. S of Market St.	CH1	
	8"	L	80 ft. S of Market St.	CH1	
	8"	R	50 ft. S of Market St.	CH1	
	6"	R	150 ft. N of Market St.	CH1	
	10"	L	100 ft. S of Wazee St.	CH1	
	6"	L	70 ft. S of Wazee St.	CH1	
	10"	R	45 ft. S of Wazee St.	CH1	
	6"	L	110 ft. N of Wazee St.	CH1	
	6"	L	180 ft. N of Wazee St.	CH1	
	6"	L	270 ft. N of Wazee St.	CH1	
	6"	R	280 ft. N of Wazee St.	CH1	
	6"	L	360 ft. N of Wazee St.	CH1	
	6"	L	420 ft. N of Wazee St.	CH1	
	6"	R	450 ft. N of Wazee St.	CH1	
	6"	L	480 ft. N of Wazee St.	CH1	
	6"	L	520 ft. N of Wazee St.	CH1	
	6"	L	580 ft. N of Wazee St.	CH1	
	6"	R	620 ft. N of Wazee St.	CH1	
	18"	L	700 ft. N of Wazee St.	CH1	
	4"	R	750 ft. N of Wazee St.	CH1	
	2"	R	900 ft. N of Wazee St.	CH1	
	1"	R	900 ft. N of Wazee St.	CH1	
	6"	R	1300 ft. from stream mouth	CH1	
	12"	R	1100 ft. from stream mouth	CH1	
	6"	R	920 ft. from stream mouth	CH1	
	48"	R	750 ft. from stream mouth	CH1	
317.7/0.2	48"	L	650 ft. from stream mouth	CH1	Outfall sampled; Map Ident. No. 32
	6"	L	550 ft. from stream mouth	CH1	
	10"	L	300 ft. from stream mouth	CH1	

Appendix C - Table III (continued)
 Location Description of Outfalls and Storm Sewers
 to Cherry Creek - Denver Metropolitan Area

River Mileage	Size	Side	Location	Sheet No.	Remarks
	6"	L	250 ft. from stream mouth	CH1	
	8"	R	200 ft. from stream mouth	CH1	
	14"	L	180 ft. from stream mouth	CH1	
	8"	L	120 ft. from stream mouth	CH1	
	12"	L	100 ft. from stream mouth	CH1	
	6"	L	20 ft. from stream mouth	CH1	

Appendix C - Table IV

Location Description of Outfalls and Storm Sewers
to Sand Creek

Denver Metropolitan Area

Size	Side	Location	Sheet No.	Remarks
36"	L	200 yds. E of Airport Runway	SC2	
36"	L	100 yds. W of Airport Runway	SC2	
12"	L	1000 yds. W of Smith Road	SC2	

Appendix C - Table V

Location Description of Outfalls and Storm Sewers to Clear Creek

River Mileage	Size	Side	Location	Sheet No.	Remarks
311.1/16.5	18"	L	900 yds. W of Washington Ave.	CL8	
	30"	L	900 yds. W of Washington Ave.	CL8	
	14"	R	700 yds. W of Washington Ave.	CL8	
	6"	R	600 yds. W of Washington Ave.	CL8	
	4"	R	500 yds. W of Washington Ave.	CL8	
	12"	R	400 yds. W of Washington Ave.	CL8	
	14"	R	360 yds. W of Washington Ave.	CL8	
	18"	R	330 yds. W of Washington Ave.	CL8	
	12"	R	300 yds. W of Washington Ave.	CL8	
	48"	L	200 yds. W of Washington Ave.	CL8	
	14"	R	100 yds. W of Washington Ave.	CL8	
	12"	L	200 ft. W of Washington Ave.	CL8	
	8"	R	100 ft. W of Washington Ave.	CL8	
	8"	R	Under Washington Ave. Bridge	CL8	
	14"	L	100 ft. E of Washington Ave.	CL8	
	14"	R	200 ft. E of Washington Ave.	CL8	
	30"	L	300 ft. E of Washington Ave.	CL8	
	16"	R	300 ft. E of Washington Ave.	CL8	
	30"	L	500 ft. E of Washington Ave.	CL8	
	30"	R	1200 yds. E of Washington Ave.	CL8	
	30"	L	120 yds. W of Youngfield St.	CL7	
	12"	R	SE corner Wadsworth Blvd. Bridge	CL6	
	Ditch	L	500 yds. S of 52nd Ave.	CL5	
	18"	R	650 yds. S of 52nd Ave.	CL5	
	Ditch	L	500 ft. W of Sheridan Blvd.	CL5	
	54"	R	20 ft. E of Sheridan Blvd.	CL4	Outfall sampled;
311.1/6.2					Map Ident. No. 58
311.1/5.4	Ditch	L	200 ft. W of Lowell Blvd.	CL4	Outfall sampled;
311.1/4.5	Ditch	R	400 ft. W of Federal Blvd.	CL3	Map Ident. No. 59
	30"	R	20 ft. E of Federal Blvd.	CL3	Outfall sampled;
	12"x24"	R	200 ft. E of Federal Blvd.	CL3	Map Ident. No. 60
	12"	R	20 ft. W of Pecos St.	CL2	
	8"	L	20 ft. W of Pecos St.	CL2	
	18"	L	30 ft. W of Washington Blvd.	CL1	
	30"	L	15 ft. W of Washington Blvd.	CL1	

Appendix C - Table VI

Outfall Sampling Data
Industrial Wastes Survey

Denver Metropolitan Area

Map Ident. No.	Dates of Sampling	Type of Sample	Time	Temp C	pH	BOD mg/l	COD mg/l	Cond. umhos	TDS mg/l	TSS mg/l	VSS mg/l	Settl. Sol. ml/l	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Oil mg/l	ABS mg/l	Flow MGD	Remarks
1	2/10/65	G	0750	0	8.0	19	10	1,960	---	5	4	<0.1	---	---	---	0.5	0.24	
	1/18/66	"	1330	2	8.2	5	11	2,070	---	3	2	<0.1	33,000	2,300	---	0.3	"	
2	1/18/66	G	1330	14	7.3	---	555	556	---	---	---	12.0	---	---	---	---	0.02	Total solids 55,740 mg/l. Total volatile solids 3,700 mg/l.
	2/08/66	"	0845	---	7.0	<5	31	268	---	57	6	<0.1	170	---	---	<0.1	"	
3	2/10/65	G	0805	0	8.0	21	44	1,200	---	20	12	<0.1	---	---	---	---	3.0	2.95
4	2/08/65	G	1145	20	8.4	820	1,620	1,920	---	5,320	1,010	22.0	---	---	98	---	0.05	
	2/08/65	"	1500	22	7.5	115	334	1,580	---	263	77	11.0	---	---	---	---	"	
	2/09/65	"	0745	12	8.2	375	710	845	---	330	60	1.0	---	---	116	---	"	
	2/09/65	"	1240	15	7.8	218	323	1,550	---	231	106	0.4	---	---	---	---	"	
5	2/11/65	G	0830	3	7.9	8	32	4,000	---	20	8	<0.1	---	---	---	0.5	0.47	CN 4.2 mg/l; Tot. Cr 0.56 mg/l.
6	2/17/65	G	0915	20	8.1	39	68	903	---	60	42	<0.1	---	---	---	---	2.20	CN 0.7 mg/l; Tot. Cr 0.08 mg/l.
	2/17/65	"	1305	13	7.9	18	210	1,830	---	624	282	2.5	---	---	---	---	"	CN 0.2 mg/l; Tot. Cr 0.20 mg/l.
	2/18/65	"	0835	19	7.9	11	40	925	---	24	12	<0.1	---	---	---	---	"	CN 0.3 mg/l; Tot. Cr 0.28 mg/l.
	2/18/65	"	1240	---	7.7	19	127	1,190	---	300	79	0.1	---	---	---	---	"	Tot. Cr 2.20 mg/l; Tot. Cr 1.68 mg/l; and Hex. Cr 1.00 mg/l.
	3/18/65	"	0945	20	8.0	12	---	916	---	19	16	<0.1	---	---	---	---	"	
	3/24/65	"	1150	16.5	8.0	24	---	3,150	---	640	124	4.0	---	---	---	---	"	
	3/31/65	"	0630	20	8.2	24	---	855	---	15	11	<0.1	---	---	---	---	"	
	4/12/65	"	1125	21	7.8	23	---	1,010	---	61	50	<0.1	---	---	---	---	"	CN 15.5 mg/l; Tot. Cr 1.03 mg/l; and Hex. Cr 1.01 mg/l.
	4/21/65	"	0840	23	8.0	19	---	932	---	107	30	0.2	---	---	---	---	"	CN 7.3 mg/l; Tot. Cr 0.28 mg/l; and Hex. Cr 0.18 mg/l.
	4/30/65	"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	"	CN 13.3 mg/l; Tot. Cr 0.64 mg/l; and Hex. Cr 0.01 mg/l.
	5/07/65	"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	"	

Appendix C - Table VI (continued)
 Outfall Sampling Data, Industrial Wastes
 Survey - Denver Metropolitan Area

Map Ident. No.	Dates of Sampling	Type of Sample	Temp °C	pH	BOD mg/l	COD mg/l	Cond. µmhos	TDS mg/l	TSS mg/l	VSS mg/l	Settl. Sol. ml/l	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Oil mg/l	ABS mg/l	Flow MGD	Remarks
7	2/11/65	G	0950	10	8.0	1	18	1,280	---	2	2	< 0.1	---	---	1	---	0.02
8	2/23/65	G	0930	11	7.1	29	211	3,650	---	227	56	1.8	---	---	---	---	0.08
9	2/11/65	G	1010	7	7.2	35	107	785	---	2,060	50	7.5	---	---	---	---	0.22
10	2/11/65	G	1100	12	7.6	6	19	998	---	9	7	< 0.1	---	16	---	---	0.07
11	2/11/65	G	1125	8	7.4	450	320	2,550	---	88	83	< 0.1	---	26	---	---	0.20
12	2/10/65	"	0820	7	8.0	15	38	2,790	---	6	6	< 0.1	---	---	0.6	---	0.02
	2/26/65	"	0835	8	8.2	4	8	3,400	---	8	7	< 0.1	---	---	---	---	"
13	2/10/65	G	0830	5	8.2	5	20	1,680	---	76	24	0.1	---	---	0.3	---	0.01
	2/23/65	"	1330	7	8.1	6	40	3,540	---	47	21	0.2	---	---	0.3	---	"
14	2/10/65	G	0845	1	8.2	4	22	1,150	---	26	8	< 0.1	---	---	0.4	---	1.14
	1/18/66	"	1300	4	8.2	6	14	1,120	---	4	3	< 0.1	---	---	0.1	---	"
15	2/11/65	G	1325	5	7.6	22	391	12,600	---	169	52	< 0.1	---	14	---	---	0.01
	2/26/65	"	0845	7	8.0	---	1	1,210	---	2	2	< 0.1	---	2	---	---	"
16	2/10/65	G	0920	0	8.2	4	30	1,390	---	58	12	< 0.1	---	---	0.4	---	1.90
	2/26/65	"	0855	1	8.2	4	6	1,350	---	73	12	0.1	---	---	---	---	"
17	7/14/64	G	1020	---	7.8	119	---	798	564	461	300	2.5	---	---	5.0	---	0.12
18	7/14/64	G	1015	---	11.0	---	---	4,010	11,900	6,370	6,060	1.0	---	---	---	---	0.23
	2/23/65	"	1325	24	10.0	605	1,680	925	---	456	398	7.5	---	---	---	---	"
	2/26/65	"	0900	42.5	11.2	430	904	1,530	---	1,560	1,300	35.0	---	508	---	---	"
19	2/10/65	G	0930	4	8.2	8	36	8,150	---	10	8	0.1	---	---	1.6	---	0.13
20	7/14/64	G	1045	---	8.0	450	---	1,680	1,070	---	---	< 0.1	---	---	0.3	---	0.13
	1/18/66	"	1035	15	7.8	125	254	1,350	---	22	15	< 0.1	49,000	---	1.4	---	"
21	2/12/65	G	0910	3	7.2	44	956	1,720	---	14	13	< 0.1	---	5	---	---	0.10
22	2/12/65	G	0920	7	8.2	160	825	905	---	86	31	< 0.1	---	---	---	---	0.10
23	1/25/66	G	0845	6	8.1	30	247	435	---	280	66	0.6	11,000	1.8	---	4.8	0.07
24	2/23/65	G	1020	4	7.2	2	10	502	---	2	2	< 0.1	---	---	---	0.0	0.05
	1/25/66	"	0810	2	8.0	5	59	402	---	38	21	< 0.1	1,300	---	---	0.1	"
25	2/23/65	G	1035	9	7.8	3	14	1,240	---	4	4	< 0.1	---	---	---	0.0	0.32
	1/25/66	"	0950	8	8.0	< 5	34	1,210	---	16	3	< 0.1	460	4.9	---	0.1	"

Appendix C - Table VI (continued)
 Outfall Sampling Data, Industrial Wastes
 Survey - Denver Metropolitan Area

Map Ident. No.	Date of Sampling	Type of Sample	Time	Temp °C	pH	BOD mg/l	COD mg/l	Cond. umhos	TDS mg/l	TSS mg/l	VSS mg/l	Settl. Sol. ml/l	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Oil mg/l	ABS mg/l	Flow MGD	Remarks
26	2/25/65	G	1040	8	9.4	30	356	7,060	---	409	86	2.5	---	---	9	---	0.01	
27	2/25/65	G	1330	6	8.0	66	319	4,890	---	564	147	0.5	---	---	9	---	0.01	
28	1/24/66	G	1330	8	8.0	1,050	2,630	960	---	2,100	280	1.5	170,000	4.9	25	16.1	0.03	
29	1/24/66	G	1300	26	7.8	<5	28	91	---	15	5	<0.1	1,700	3.3	---	0.1	0.04	
30	1/24/66	G	1315	15	8.2	97	530	1,250	---	878	158	9.0	3,300	330	---	6.7	0.09	
31	1/24/66	G	1245	6.5	9.9	155	495	1,980	---	41	27	<0.1	9,500	2.0	16	64.8	0.03	
32	1/24/66	G	0915	11	7.6	21	83	1,580	---	315	67	39.0	28,000	230	---	0.4	0.06	
33	7/14/64 1/18/66	G "	1145 0940	--- 5	8.0 7.8	6 12	29	906 770	518 ---	56	9	<0.1	130,000	33,000	---	1.2 0.9	2.93 "	
34	2/10/65 2/26/65	G "	0950 0910	2 6	7.4 8.0	20 13	196 28	9,630 1,790	---	33	16	0.2 <0.1	---	---	---	3.4 ---	0.23 "	
35	2/10/65	G	1015	2	6.8	90	1,040	46,200	---	82	47	0.1	---	---	---	11.0	<0.01	
36	7/14/64 2/24/65	G "	1200 1450	--- 5	8.4 7.2	9 42	898 185	3,330	522 ---	912 203	912 52	<0.1 0.1	---	---	---	0.9 ---	0.24 "	
37	2/10/65	G	1025	3	7.7	69	98	1,180	---	61	30	0.4	---	---	---	1.7	0.01	
38	7/21/64 1/18/66	G "	1330 0925	--- 8	8.2 7.4	11 28	--- 1,460	1,090 30,700	666 ---	712	132	3.0	2,200	1,300	---	0.4 4.8	0.07 "	
39	2/08/65	G	1050	21	10.5	125	408	1,480	---	343	76	1.0	---	---	54	---	0.01	
40	2/09/65	G	1340	11	11.3	410	1,170	4,100	---	1,070	108	2.0	---	---	98	---	0.01	
41	7/17/64 1/14/66	G "	1040 1300	--- 9	7.2 7.4	213 165	303	1,030	769 ---	1,030	226	1.5	---	---	---	5.6 2.3	0.14 "	
42	1/18/66	G	0900	19	8.0	<2	12	2,210	---	2	2	0.0	6.8	<1.8	---	0.4	0.22	
43	7/17/64 2/08/65	G "	1200 1030	--- 12	7.1 ---	605 570	---	1,010	737 ---	---	---	5.0	---	---	---	30.0	0.02	
	2/08/65	"	1400	15	7.2	475	4,500	1,030	---	230	116	0.3	---	---	2,820	---	"	
	2/09/65	"	0905	18	---	1,340	7,480	---	---	2,276	1,570	30.0	---	---	437	---	"	
	2/09/65	"	1355	17	9.6	2,570	5,180	1,470	---	301	85	0.9	---	---	19,900	---	"	
	2/23/65	"	1425	11	7.2	880	976	408	---	1,600	614	7.0	---	---	338	---	"	
44	7/17/64 1/18/66	G "	1210 0845	--- 8	7.1 7.6	275 26	---	687 850	711 ---	192	48	0.2	28,000	<1.8	33	96.0	<0.01	

Appendix C - Table VI (continued)
 Outfall Sampling Data, Industrial Wastes
 Survey - Denver Metropolitan Area

Map Ident. No.	Dates of Sampling	Type of Sample	Time	Temp °C	pH	BOD mg/l	COD mg/l	Cond. umhos	TDS mg/l	TSS mg/l	VSS mg/l	Settl. Sol. ml/l	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Oil mg/l	ABS mg/l	Flow Mgd	Remarks
45	2/08/65	G	1415	6	6.2	>1,300	389	7,340	---	459	191	2.0	---	---	3,280	---	0.01	
	2/09/65	"	0845	8	7.6	>1,340	3,970	1,880	---	1,010	398	15.0	---	---	---	---	"	
	2/09/65	"	1350	9	7.8	>2,550	15,200	1,370	---	658	220	2.5	---	---	443	---	"	
	2/23/65	"	1435	6	7.6	66	1,370	485	---	1,090	230	2.0	---	---	37	---	"	
46	2/24/65	G	1410	5	7.6	295	234	696	---	126	62	<0.1	---	---	---	---	0.10	
47	1/13/66	G	0910	25	9.8	590	282	658	---	111	96	1.5	330,000	230,000	---	0.8	0.81	
	1/13/66	"	1000	25	10.0	225	177	658	---	102	77	2.5	230,000	130,000	---	1.4	1.14	
	1/13/66	"	1115	31	7.8	220	237	1,140	---	119	95	2.5	79,000	13,000	---	0.3	1.24	
	1/13/66	"	1215	33	8.0	120	157	1,230	---	58	48	1.5	130,000	49,000	---	0.9	1.53	
	1/13/66	"	1315	33	7.6	>127	159	1,090	---	177	105	5.0	170,000	23,000	---	1.8	1.43	
	1/13/66	"	1415	32	7.8	490	369	1,080	---	197	148	10.0	1,400,000	70,000	---	1.0	1.53	
	1/13/66	"	1515	33	9.0	>136	181	1,150	---	115	78	2.0	350,000	17,000	---	0.7	1.43	
48	7/21/64	G	1130	---	7.7	30	---	1,410	883	---	---	1.0	---	---	---	0.3	0.28	
	2/24/65	"	1400	11	8.8	63	117	2,560	---	116	40	0.3	---	---	---	0.8	"	
49	7/21/64	G	1300	---	7.6	---	---	2,110	1,350	---	---	<0.1	---	---	---	0.1	0.07	
	2/24/65	"	1300	13	7.4	6	49	1,690	---	15	6	0.2	---	---	---	0.3	"	
50	7/21/64	G	1105	---	7.5	---	---	2,580	1,460	---	---	0.3	---	---	---	0.4	0.03	
	1/14/65	"	1245	12	7.6	<4	14	2,695	---	21	5	0.1	---	---	---	0.4	"	
51	2/23/66	G	1100	13	7.5	318	465	1,110	---	370	313	9.0	31,000,000	4,900,000	---	3.3	2.48	
	2/23/66	"	1230	14	7.6	308	520	895	---	404	323	2.4	230,000,000	11,000,000	---	6.3	"	
	2/23/66	"	1300	14	7.5	335	690	970	---	268	228	5.2	33,000,000	13,000,000	---	7.1	"	
	2/23/66	"	1500	16	7.5	230	505	935	---	279	213	12.0	18,000,000	3,300,000	---	9.2	"	
	2/23/66	"	1600	15	7.5	260	566	925	---	285	220	7.0	130,000,000	4,600,000	---	9.0	"	
52	7/21/64	G	1035	---	7.7	31	---	1,540	931	---	---	1.0	---	---	---	0.2	0.09	
	1/14/66	"	1235	13	7.8	<4	15	1,500	---	0	0	0.0	---	---	---	0.2	"	
53	7/21/64	G	1045	---	7.9	---	---	1,820	1,130	---	---	<0.1	---	---	---	0.2	0.10	
	2/24/65	"	1255	13	7.6	198	---	1,690	---	3	3	<0.1	---	---	---	0.2	"	
	1/14/65	"	1225	11	7.8	135	316	1,420	---	270	214	2.5	---	---	---	5.6	"	
54	7/21/64	G	1000	---	7.5	118	---	1,440	750	---	---	4.5	---	---	---	0.9	0.80	
	1/14/66	"	0900	2.5	6.9	28	63	1,400	---	107	33	4.0	3,300	330	---	1.0	"	
	1/20/66	"	1050	4.5	8.4	66	106	1,380	---	134	63	<0.1	79,000	200	---	2.7	"	
55	2/24/65	G	1340	10	7.2	>628	1,640	3,330	---	318	250	1.5	---	---	---	---	0.52	
	3/15/65	"	0930	11	7.6	30	37	1,710	---	---	---	<0.1	---	---	---	---	"	
	1/14/66	"	0925	10	7.6	24	54	1,490	---	67	23	1.5	790	13	---	3.2	"	
56	2/07/66	G	1115	13	7.6	220	450	1,010	---	91	81	0.1	7,000,000	3,300,000	---	5.2	0.05	

Appendix C - Table VI (continued)
 Outfall Sampling Data, Industrial Wastes
 Survey - Denver Metropolitan Area

Map Ident. No.	Dates of Sampling	Type of Sample	Temp °C	pH	BOD mg/l	COD mg/l	Cond. µmhos	TDS mg/l	VSS mg/l	Settl. Sol. ml/l	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	Oil mg/l	AES mg/l	Flow MGD	Remarks
57	2/07/66	G	1110	4.5	7.9	2,550	9,350	5,610	---	2,550	1,800	0.2	3,300,000	---	4.8	0.06
58	1/19/66	G	1145	8	8.1	61	72	1,050	---	10	10	0.3	33,000,000	---	3.4	0.36
59	1/20/66	G	1000	---	8.2	8	3	1,160	---	4	4	<0.1	140,000	---	0.7	1.30
60	1/20/66	G	0845	0	6.8	6,750	13,200	2,000	---	48	32	<0.1	79,000	96	14.0	0.16

Appendix C - Table VII

Complete Listing and Description
of Outfall Waste Sampling Stations

Denver Metropolitan Area

Map Ident. No.	Station No.	Description	River Mileage
1	1626	72-inch outfall entering South Platte River from left side, 350 feet north of Dartmouth Avenue	325.1
2	2001	24-inch outfall entering South Platte River from left side, 550 feet north of Dartmouth Avenue	325.0
3	1627	Sanderson Gulch entering South Platte River from left side, 100 yards north of Florida Avenue	322.8
4	1689	10-inch outfall entering South Platte River from left side, 500 yards south of Mississippi Avenue bridge	322.6
5	1640	48-inch by 120-inch outfall entering South Platte River from right side, South Santa Fe Drive and Arizona Avenue	322.4
6	1671	48-inch by 72-inch outfall entering South Platte River from right side, under Mississippi Avenue bridge	322.3
7	1655	36-inch outfall entering South Platte River from right side, northeast corner of Ohio Avenue	321.9
8	1694	36-inch outfall entering South Platte River from left side, 300 yards north of Kentucky Avenue	322.0
9	1656	52-inch outfall entering South Platte River from right side, opposite Exposition Avenue	321.7
10	1657	30-inch outfall entering South Platte River from right side, 200 yards south of Alameda Avenue	321.4
11	1658	42-inch outfall entering South Platte River from right side, 75 feet south of Bayaud Avenue	321.0
12	1628	36-inch outfall entering South Platte River from left side, 20 yards north of 5th Avenue	320.0

Appendix C - Table VII (continued)
Complete Listing and Description of Outfall Waste
Sampling Stations - Denver Metropolitan Area

Map Ident. No.	Station No.	Description	River Mileage
13	1630	3-inch outfall entering South Platte River from left side, 100 yards north of 6th Avenue	319.8
14	1632	Weir Gulch entering South Platte River from left side, 200 yards north of 8th Avenue bridge	319.5
15	1641	18-inch outfall entering South Platte River from right side, 200 yards north of 8th Avenue bridge	319.5
16	1633	Dry Gulch entering South Platte River from right side, 50 feet north of railroad bridge	319.0
17	1602	16-inch outfall entering South Platte River from right side, southeast corner of Colfax Avenue bridge	319.0
18	1601	16-inch outfall entering South Platte River from right side, southeast corner of Colfax Avenue bridge	318.9
19	1634	48-inch outfall entering South Platte River from left side, 12 feet north of Colfax Avenue bridge	318.9
20	1603	18-inch outfall entering South Platte River from left side, 250 yards north of Valley Highway	318.5
21	1650	48-inch by 60-inch outfall entering South Platte River from left side, 550 yards south of 7th Street	318.4
22	1651	48-inch by 72-inch outfall entering South Platte River from left side, northwest corner of 7th Street bridge	318.1
23	2005	30-inch outfall entering Cherry Creek from left side, under Colorado Boulevard bridge	317.7/5.7
24	1690	48-inch outfall entering Cherry Creek from right side, 250 feet east of Downing Street	317.7/3.1
25	1691	54-inch outfall entering Cherry Creek from left side, 400 feet west of Clarkson Street	317.7/2.7
26	1692	24-inch outfall entering Cherry Creek from left side, 200 feet east of Logan Street	317.7/2.6

Appendix C - Table VII (continued)
 Complete Listing and Description of Outfall Waste
 Sampling Stations - Denver Metropolitan Area

Map Ident. No.	Station No.	Description	River Mileage
27	1693	18-inch outfall entering Cherry Creek from right side, 650 feet south of 11th Avenue	317.7/1.8
28	2006	12-inch outfall entering Cherry Creek from right side, 400 feet north of 11th Avenue	317.7/1.5
29	2009	30-inch outfall entering Cherry Creek from right side, 150 feet north of Colfax Avenue	317.7/1.2
30	2010	36-inch outfall entering Cherry Creek from left side, 150 feet north of Colfax Avenue	317.7/1.2
31	2008	30-inch outfall entering Cherry Creek from left side, 60 feet north of Curtis Street	317.7/0.8
32	2007	48-inch outfall entering Cherry Creek from left side, 650 feet from stream mouth	317.7/0.2
33	1606	36-inch by 60-inch outfall entering South Platte River from left side, 70 yards south of 19th Street	317.4
34	1636	48-inch by 60-inch outfall entering South Platte River from left side, 20 feet north of 19th Street bridge	317.3
35	1637	24-inch outfall entering South Platte River from left side, 75 feet north of 19th Street bridge	317.3
36	1607	72-inch outfall entering South Platte Platte River from left side, 100 yards north of 20th Street bridge	317.2
37	1638	8-inch outfall entering South Platte River from left side, 50 feet south of 23rd Street	316.8
38	1625	30-inch outfall entering South Platte River from left side, 600 yards south of 31st Street	316.5
39	1684	10-inch outfall entering South Platte River from left side, 260 yards south of 31st Street	316.4
40	1682	6-inch outfall entering South Platte River from left side, 228 yards south of 31st Street	316.3

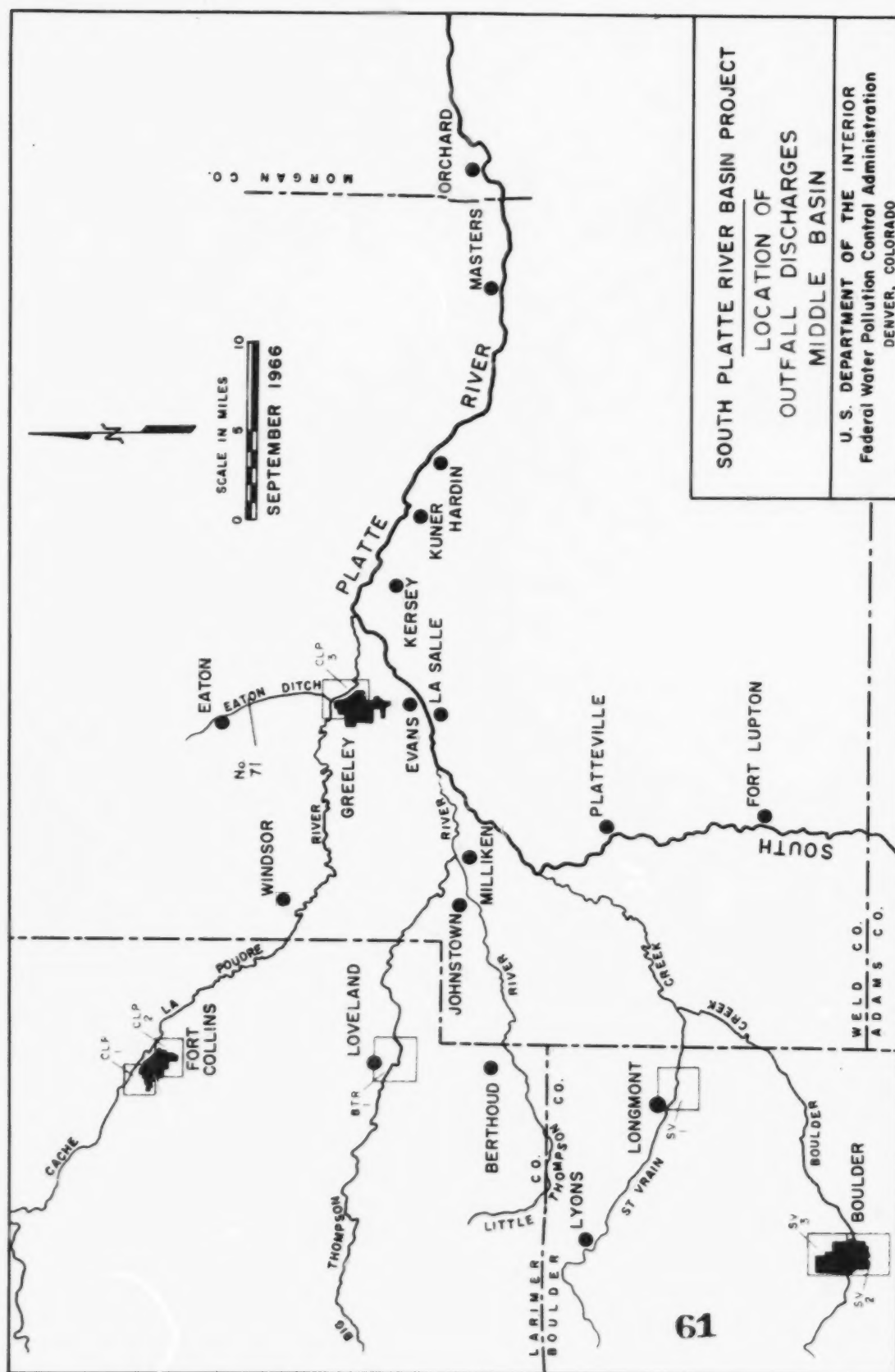
Appendix C - Table VII (continued)
 Complete Listing and Description of Outfall Waste
 Sampling Stations - Denver Metropolitan Area

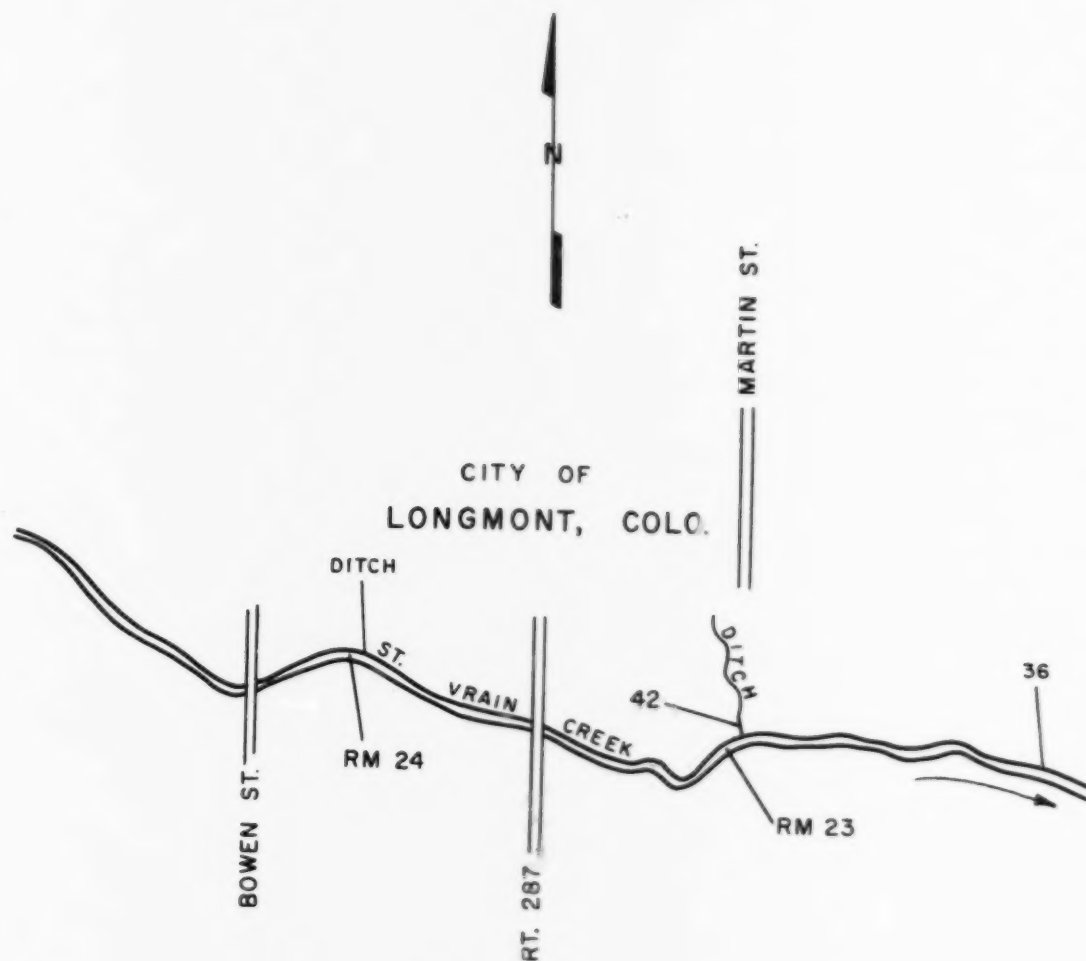
Map Ident. No.	Station No.	Description	River Mileage
41	1608	Covered outfall entering South Platte River from right side, 50 yards south of 31st Street	316.2
42	2004	10-inch outfall entering South Platte River from left side, 18 feet south of 31st Street	316.2
43	1611	12-inch outfall entering South Platte River from left side, 950 yards south of 38th Street	316.0
44	1612	4-inch outfall entering South Platte River from left side, 875 yards south of 38th Street	315.9
45	1679	8-inch outfall entering South Platte River from left side, 775 yards south of 38th Street	315.8
46	1653	24-inch outfall entering South Platte River from left side, 700 yards south of 38th Street	315.8
47	1613	84-inch outfall entering South Platte River from right side, 36th and Arkins Court	315.7
48	1622	Double 72-inch by 72-inch outfall entering South Platte River from right side, 100 yards north of 38th Street	315.5
49	1623	30-inch outfall entering South Platte River from right side, 100 yards south of 46th Avenue	315.3
50	1621	4-inch outfall entering South Platte River from right side, 177 yards north of 46th Avenue	315.1
51	2011	24-inch by 72-inch outfall entering South Platte River from left side, 47th Avenue	315.0
52	1619	72-inch outfall entering South Platte River from right side, 47th Avenue	315.0
53	1620	30-inch outfall entering South Platte River from right side, 48th Avenue	314.9
54	1617	42-inch outfall entering South Platte River from left side, 200 feet north of sewage crossover	314.5

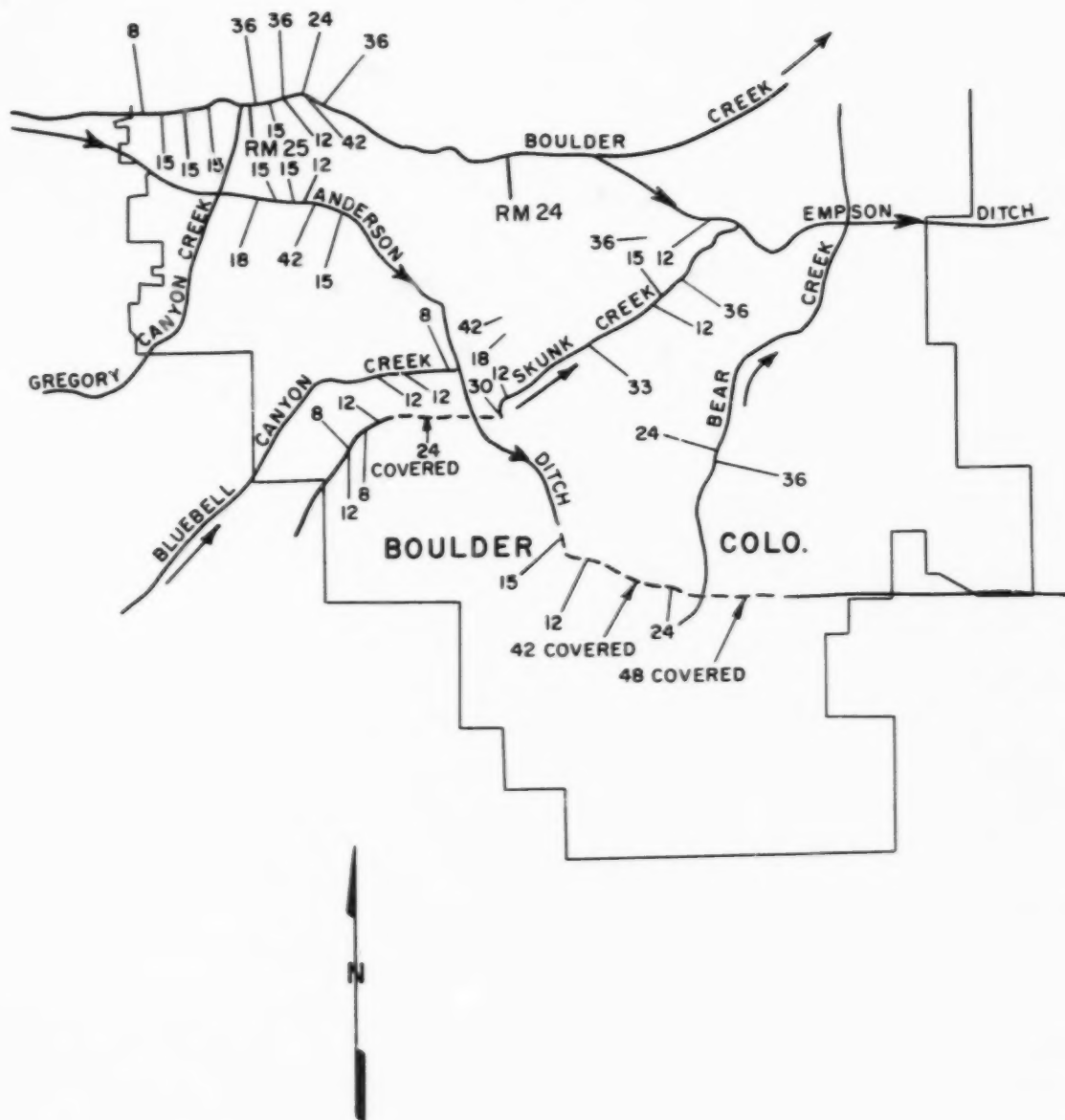
Appendix C - Table VII (continued)
 Complete Listing and Description of Outfall Waste
 Sampling Stations - Denver Metropolitan Area

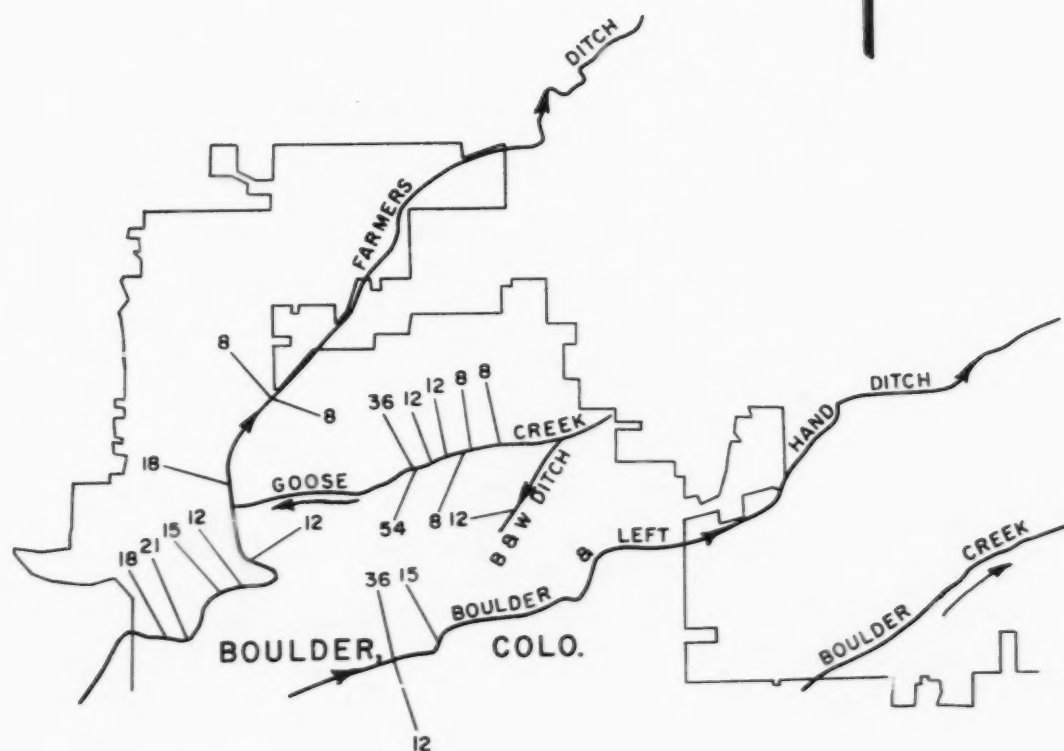
Map Ident. No.	Station No.	Description	River Mileage
55	1643	24-inch outfall entering South Platte River from right side, in line with 52nd Avenue, 50 feet north of Franklin Street	314.3
56	2002	24-inch outfall entering South Platte River from left side, 600 yards north of Franklin Street	314.0
57	2003	16-inch outfall entering South Platte River from left side, 660 yards north of Franklin Street	313.9
58	2012	54-inch outfall entering Clear Creek from right side, 20 feet east of Sheridan Boulevard	311.1/6.2
59	2014	Ditch entering Clear Creek from left side, 200 feet west of Lowell Boulevard	311.1/5.4
60	2013	Ditch entering Clear Creek from right side, 400 feet west of Federal Boulevard	311.1/4.5

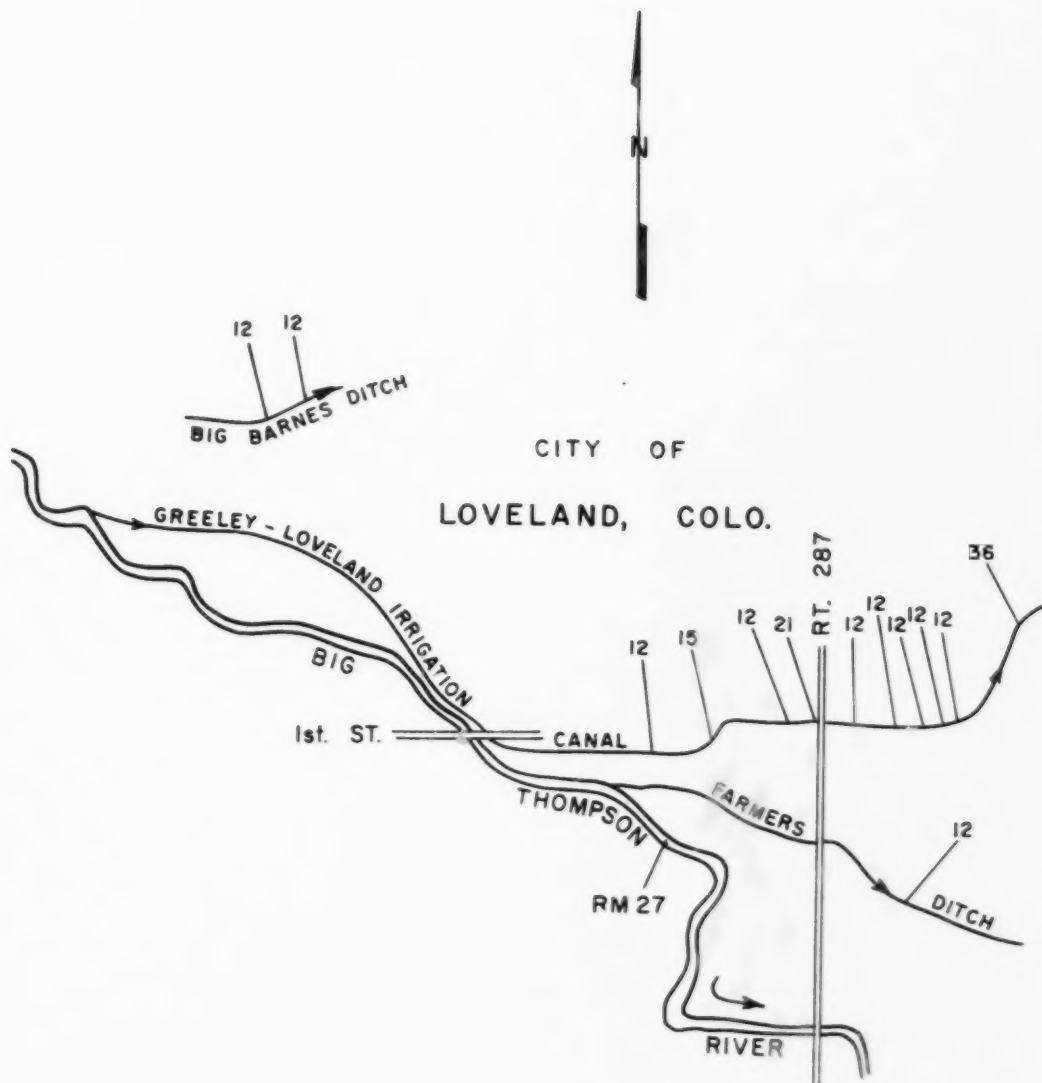
REMAINDER OF BASIN

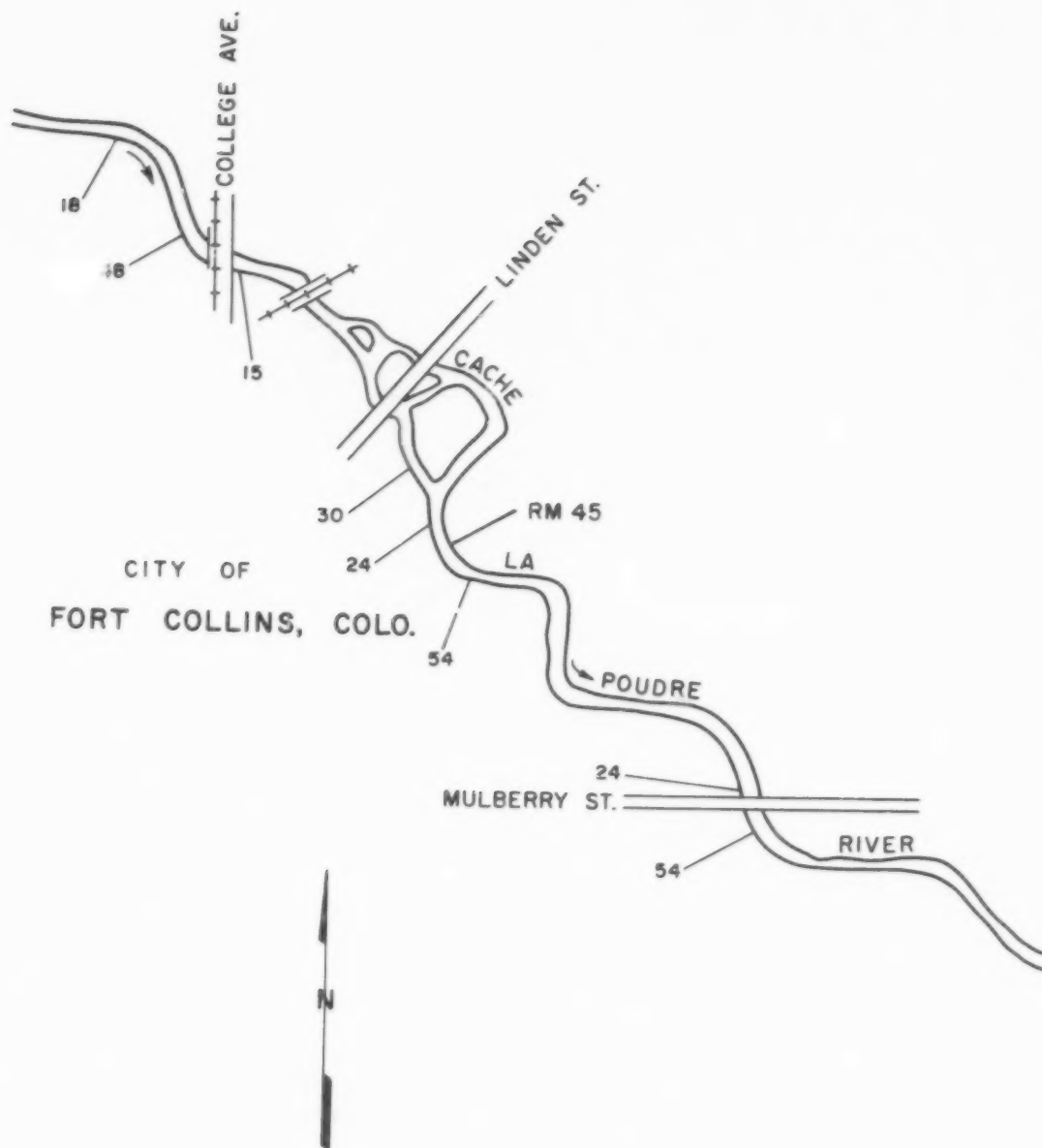




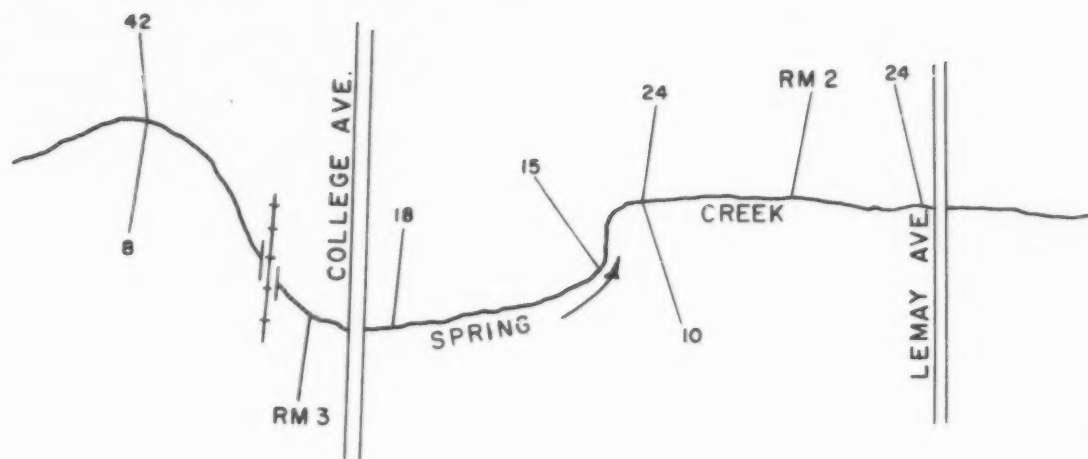


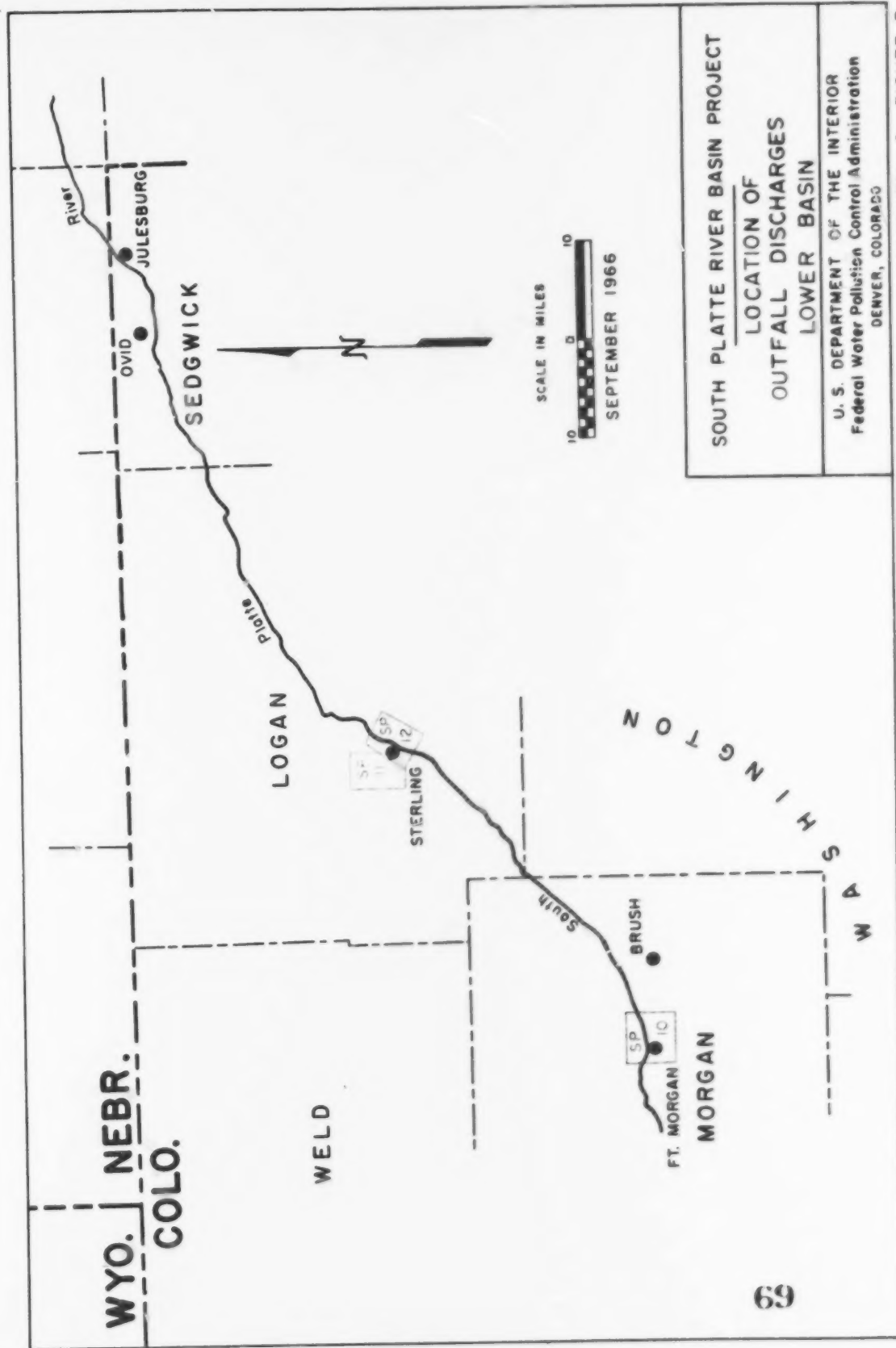






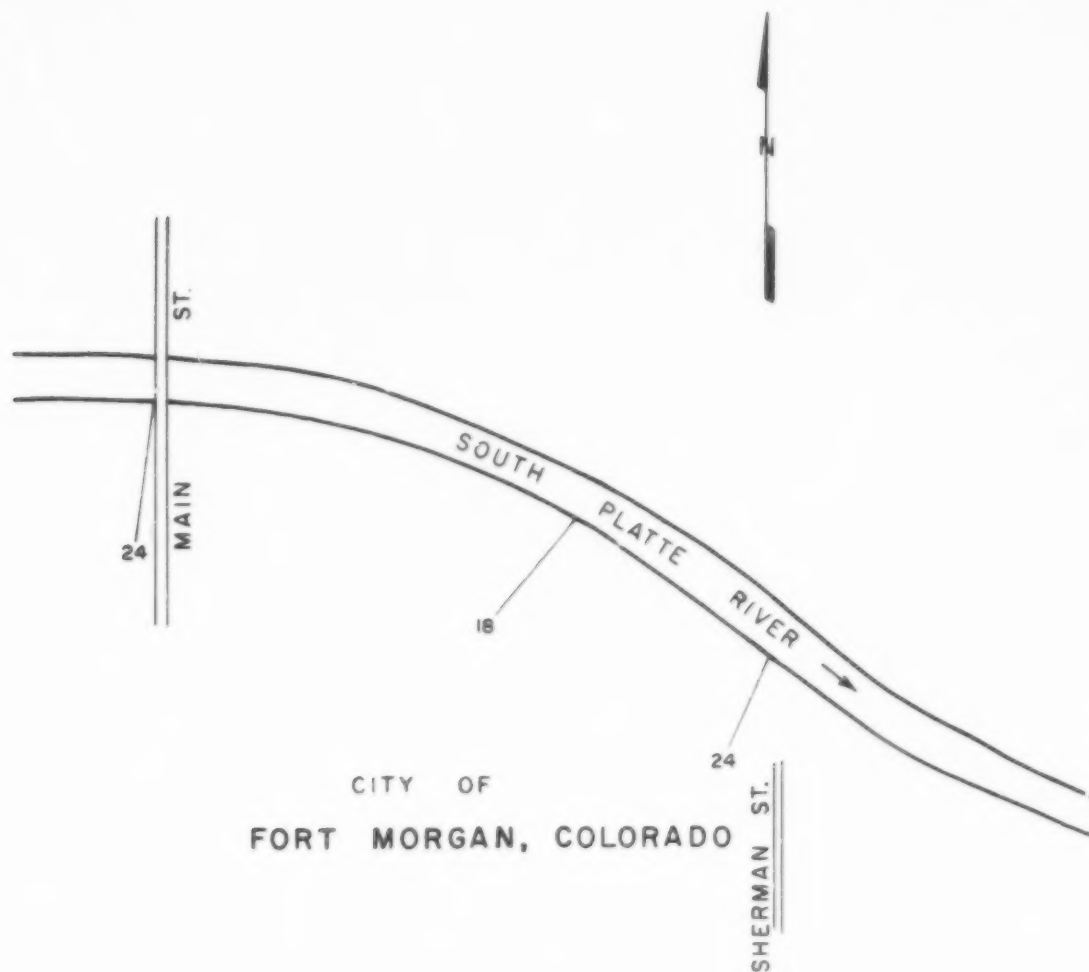
CITY OF
FORT COLLINS, COLORADO

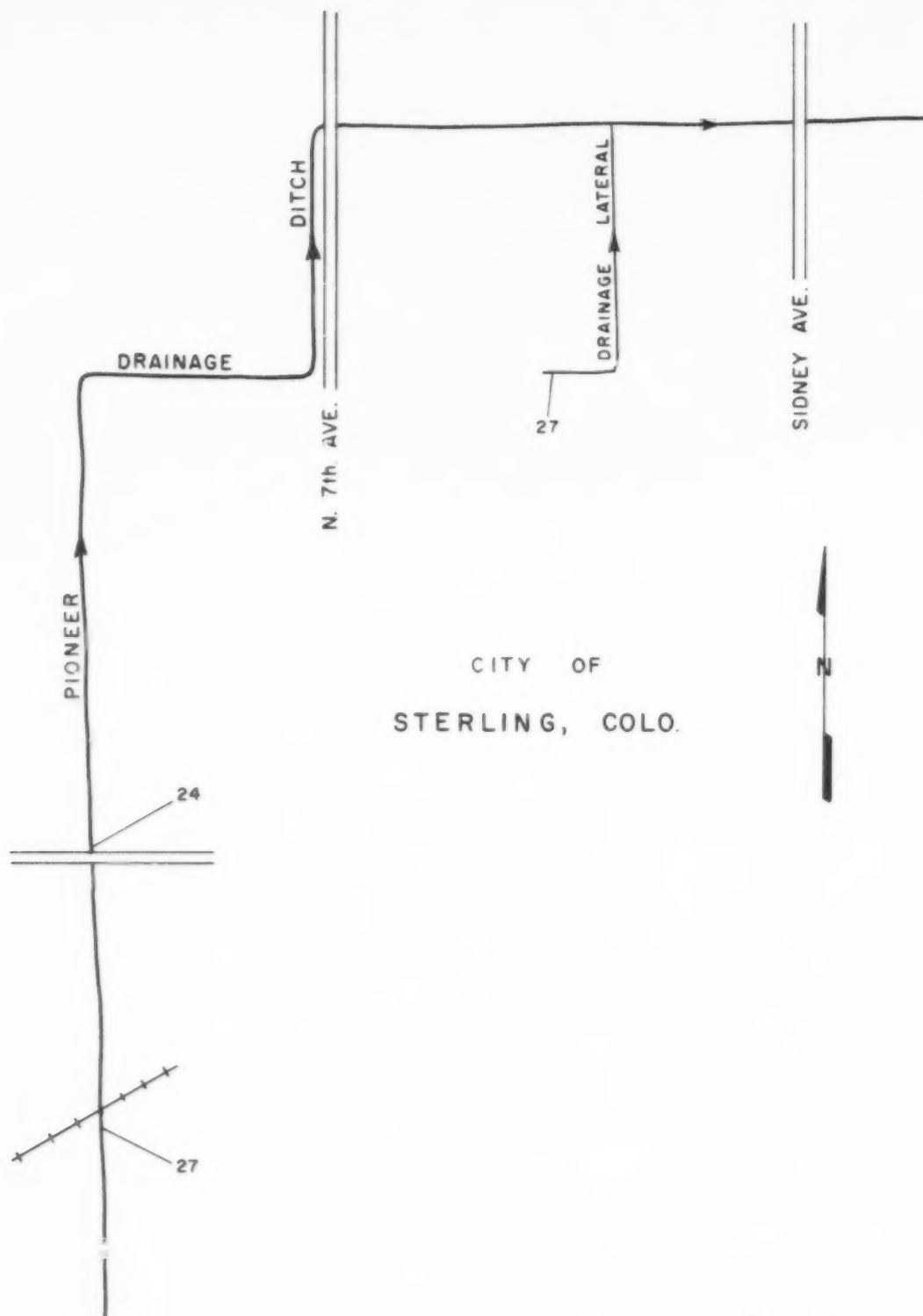


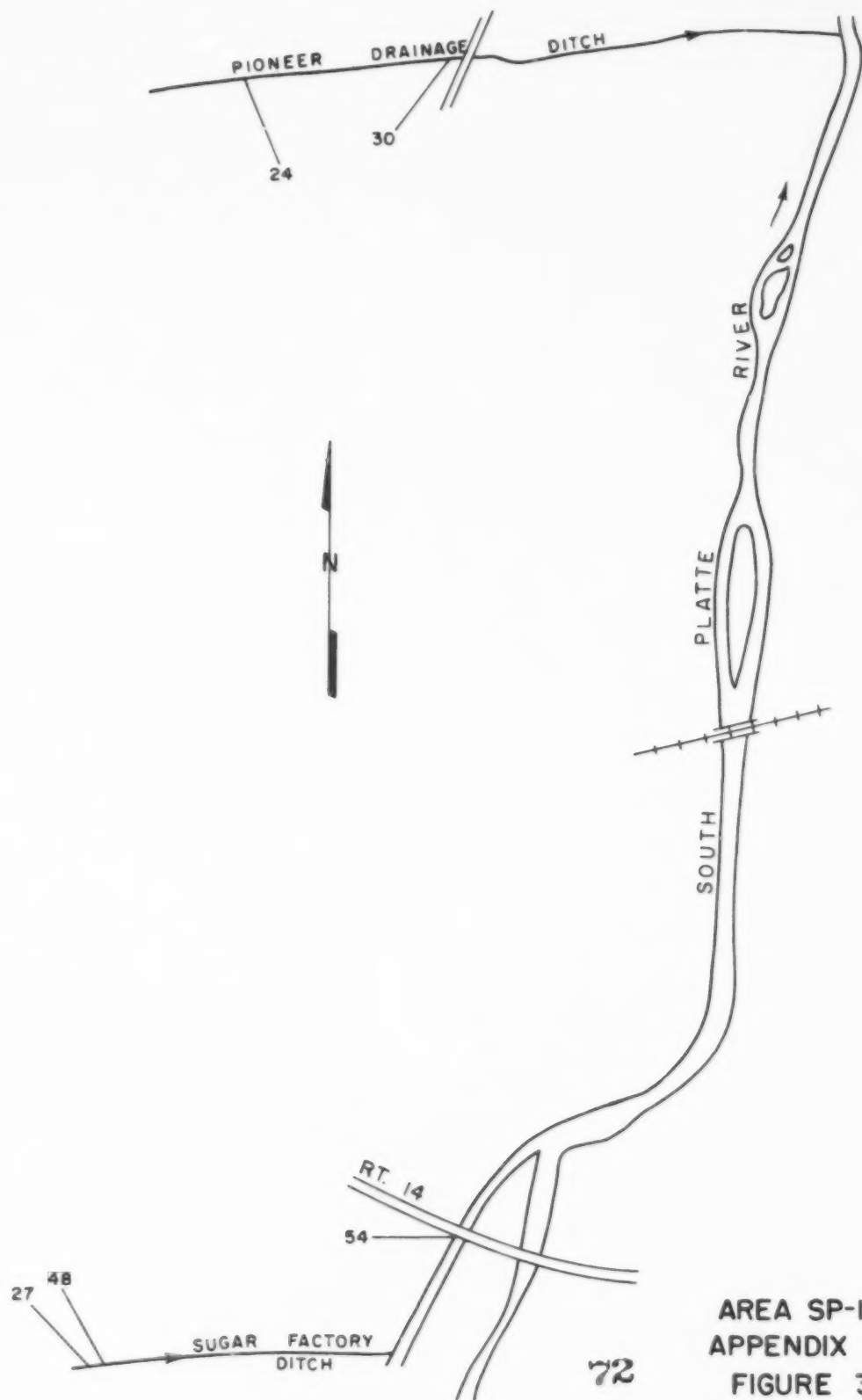


SOUTH PLATTE RIVER BASIN PROJECT
LOCATION OF
OUTFALL DISCHARGES
LOWER BASIN

U. S. DEPARTMENT OF THE INTERIOR
Federal Water Pollution Control Administration
DENVER, COLORADO







AREA SP-12
APPENDIX C
FIGURE 3

Appendix C - Table VIII

Location Description of Outfalls and Storm Sewers
Remainder of Basin

River Mileage	Size	Side	Location	Sheet No.	Remarks
<u>A/</u> City of <u>Boulder</u> to Anderson Ditch					
	18"	R	Lincoln St.	SV2	
	15"	L	10th St.	SV2	
	15"	L	11th St.	SV2	
	12"	L	12th St.	SV2	
	42"	R	13th St.	SV2	
	15"	R	14th St.	SV2	
	15"	R	Dartmouth Ave.	SV2	
	12"	R	Bates Ave.	SV2	
	24"	R	Table Mesa Drive	SV2	
<u>B/</u> City of <u>Boulder</u> to Bluebell Canyon Creek					
	12"	R	13th St.	SV2	
	12"	R	15th St.	SV2	
	8"	L	Between 19th & 20th Sts.	SV2	
<u>C/</u> City of <u>Boulder</u> to Field					
	42"	-	Near Broadway Ave. & 24th St.	SV2	
	18"	-	Near Broadway Ave. & 24th St.	SV2	
	36"	-	Euclid Ave. & 30th St.	SV2	
<u>D/</u> City of <u>Boulder</u> to Skunk Creek					
	12"	R	Ra Drive	SV2	
	8"	L	Ra Drive	SV2	
	8"	R	Bellevue Drive	SV2	
	12"	L	15th St.	SV2	
	30"	L	King Ave.	SV2	
	12"	L	Bluebell Ave.	SV2	
	33"	R	Denver-Boulder Turnpike	SV2	
	12"	R	31st St.	SV2	
	15"	L	East Aurora Ave.	SV2	
	36"	R	Euclid Ave.	SV2	
<u>E/</u> City of <u>Boulder</u> to Bear Creek					
	36"	R	Moorhead Ave.	SV2	
	24"	L	Moorhead Ave.	SV2	

Appendix C - Table VIII (continued)
 Location Description of Outfalls and Storm Sewers -
 Remainder of Basin

River Mileage	Size	Side	Location	Sheet No.	Remarks
<u>F/</u> City of <u>Boulder</u> to Empson Ditch					
	12"	R	Between 35th & 36th Sts.	SV2	
<u>G/</u> City of <u>Boulder</u> to Boulder Creek					
	8"	L	3rd St.	SV2	
	15"	R	5th St.	SV2	
	15"	R	6th St.	SV2	
	15"	R	7th St.	SV2	
270.0/17.4/25.0	36"	L	9th St.	SV2	Outfall sampled; Map Ident. No. 61
	15"	R	10th St.	SV2	
270.0/17.4/24.9	36"	L	11th St.	SV2	Outfall sampled; Map Ident. No. 62
	12"	R	11th St.	SV2	
	24"	L	Broadway Ave.	SV2	
270.0/17.4/24.8	42"	R	Broadway Ave.	SV2	Outfall sampled; Map Ident. No. 63
270.0/17.4/24.7	36"	L	13th St.	SV2	Outfall sampled; Map Ident. No. 64
<u>H/</u> City of <u>Boulder</u> to Farmers Ditch					
	18"	L	5th St.	SV3	
	21"	L	6th St.	SV3	
	15"	L	Highland St.	SV3	
	12"	L	9th St.	SV3	
	12"	R	10th St.	SV3	
	18"	L	8th St. in N. Boulder Park	SV3	
	8"	R	Broadway Ave.	SV3	
	8"	L	Broadway Ave.	SV3	
<u>I/</u> City of <u>Boulder</u> to Goose Creek					
	8"	R	Lorrain St.	SV3	
	8"	R	Nicholl St.	SV3	
	8"	L	Balsam Ave.	SV3	
	12"	R	Nicholl St.	SV3	
	12"	R	20th St.	SV3	
	36"	R	19th St.	SV3	
	54"	L	19th St.	SV3	

Appendix C - Table VIII (continued)
 Location Description of Outfalls and Storm Sewers -
 Remainder of Basin

River Mileage	Size	Side	Location	Sheet No.	Remarks
<u>J/</u> City of <u>Boulder</u> to Boulder and Lefthand Ditch					
	12"	R	16th St.	SV3	
	36"	L	16th St.	SV3	
	15"	L	Canyon Boulevard	SV3	
<u>K/</u> City of <u>Boulder</u> to B and W Ditch					
	12"	R	Bluff St.	SV3	
<u>L/</u> City of <u>Longmont</u> to St. Vrain Creek					
270.0/24.0	Ditch	L	Pratt St.	SV1	Outfall sampled; Map Ident. No. 65
270.0/23.0/0.1	42"	-	Baker St. (to drainage ditch)	SV1	Outfall sampled; Map Ident. No. 66
270.0/22.8	36"	L	Near Sewage Treatment Plant	SV1	Outfall sampled; Map Ident. No. 67
<u>M/</u> City of <u>Loveland</u> to Greeley- Loveland Irrigation Canal					
	12"	L	Harrison Ave.	BTR1	
	15"	L	Garfield Ave.	BTR1	
	12"	L	Cleveland Ave.	BTR1	
	21"	L	Lincoln Ave.	BTR1	
	12"	L	Jefferson Ave.	BTR1	
	12"	L	Washington Ave.	BTR1	
	12"	L	Washington Ave.	BTR1	
	12"	L	Adams Ave.	BTR1	
	12"	L	Monroe Ave.	BTR1	
	36"	L	E. 4th St.	BTR1	
<u>N/</u> City of <u>Loveland</u> to Farmers Ditch					
	12"	L	Washington Ave.	BTR1	
<u>O/</u> City of <u>Loveland</u> to Big Barnes Ditch					
	12"	L	Near C & S RR Track	BTR1	
	12"	L	Taft Ave.	BTR1	

Appendix C - Table VIII (continued)
 Location Description of Outfalls and Storm Sewers -
 Remainder of Basin

River Mileage	Size	Side	Location	Sheet No.	Remarks
<u>P/</u> City of <u>Fort Collins</u> to Cache la Poudre River					
249.0/45.2	18"	R	200 yds. W of College Ave.	CLP1	
	48"	R	100 yds. W of College Ave.	CLP1	
	15"	R	College Ave.	CLP1	
	30"	R	Chestnut St.	CLP1	Outfall sampled; Map Ident. No. 68
	24"	R	Lincoln St.	CLP1	
249.0/44.2	54"	R	Whedbee St.	CLP1	
	24"	R	N of Mulberry St.	CLP1	Dryer Pickle Co.
	54"	R	S of Mulberry St.	CLP1	Outfall sampled; Map Ident. No. 69
<u>Q/</u> City of <u>Fort Collins</u> to Spring Creek					
249.0/41.2/2.3	42"	L	Center St.	CLP2	
	8"	R	Center St.	CLP2	
	18"	L	Remington St.	CLP2	
	15"	L	Stuart St.	CLP2	
	24"	L	Stover St.	CLP2	
	10"	R	Stover St.	CLP2	Outfall sampled; Map Ident. No. 70
	24"	L	LeMay Ave.	CLP2	
<u>R/</u> Town of <u>Eaton</u> to Eaton Draw					
249.0/6.9/6.9	Ditch	R	Ditch S of G.W. Plant	---	Outfall sampled; Map Ident. No. 71
<u>S/</u> City of <u>Greeley</u> to Greeley No. 3 Canal					
249.0/16.8/7.2	30"	R	25th Ave.	CLP3	
	30"	R	25th Ave.	CLP3	
	36"	R	12th St.	CLP3	
	36"	R	11th St.	CLP3	
	15"	L	11th St.	CLP3	
	27"	R	17th St.	CLP3	
	27"	R	19th St.	CLP3	Outfall sampled; Map Ident. No. 72

Appendix C - Table VIII (continued)
 Location Description of Outfalls and Storm Sewers -
 Remainder of Basin

River Mileage	Size	Side	Location	Sheet No.	Remarks
<u>T/</u> City of <u>Greeley</u> to Cache la Poudre River					
249.0/6.3	33"	R	1st St.	CLP3	Outfall sampled; Map Ident. No. 73
249.0/5.7	10"	R	5th St.	CLP3	Outfall sampled; Map Ident. No. 74
	45"	R	7th St.	CLP3	
	48"	R	2nd Ave.	CLP3	
	15"	R	1st Ave.	CLP3	
<u>U/</u> City of <u>Fort Morgan</u> to South Platte River					
	24"	R	Main St.	SP10	
	18"	R	300 yds. W of Sherman St.	SP10	
	24"	R	Sherman St.	SP10	
<u>V/</u> City of <u>Sterling</u> to Pioneer Drainage Ditch					
	27"	R	CB&Q RR	SP11	
	24"	R	Route Colorado 14	SP11	
	27"	R	To Drainage Lateral at Franklin St.	SP11	
	24"	R	Verde Ave.	SP12	
	30"	R	Highway 138	SP12	
<u>W/</u> City of <u>Sterling</u> to South Platte River					
	27"	L	Storm Sewer to Sugar Factory Drain Ditch	SP12	
	48"	L	Storm Sewer to Sugar Factory Drain Ditch	SP12	
	54"	L	Route Colorado 14	SP12	

Appendix C - Table 12
 Outfall Sampling Data
 Industrial Wastes Survey
 Remainder of Basin

Map Ident. No.	Dates of Sampling	Type of Sample	Temp °C	pH	BOD mg/l	COD mg/l	Cond. umhos	TSS mg/l	VSS mg/l	Settl. Sol. ml/l	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	ARS mg/l	NO ₃ -N mg/l	PL ₁₀₀ MCD
61	6/10/65 6/23/65 6/25/65	G " "	14.0 16.0 15.5	7.8 7.7 7.4	220 120 15	210 189 35	286 386 271	270 31 12	48 12 10	0.8 0.2 <0.1	---	---	2.6 2.4 1.2	---	0.03 " "
62	6/10/65 6/23/65	G "	17.0 18.0	7.6 7.6	30 9	88 34	324 231	46 21	16 10	<0.1 <0.1	---	---	1.4 0.2	---	0.06 "
63	6/10/65 6/23/65 6/25/65	G " "	14.0 16.0 17.5	7.8 7.6 7.2	10 80 59	41 75 67	312 542 467	228 117 27	56 68 27	<0.1 1.1 <0.1	---	---	1.1 3.1 2.5	---	0.03 " "
64	6/10/65 6/23/65 6/25/65	G " "	14.0 15.0 15.5	7.4 7.4 7.5	21 9 14	91 14 15	324 558 567	64 9 8	22 9 7	<0.1 <0.1 <0.1	---	---	1.2 0.2 1.0	---	0.02 " "
65	6/09/65 6/22/65	G "	18.0 22.0	8.3 8.6	<4 <4	16 12	752 431	29 14	7 10	<0.1 <0.1	---	---	0.1 0.2	---	0.03 "
66	6/09/65 6/22/65 6/23/65 6/24/65 6/25/65	G " " " "	15.0 16.0 16.0 20.0 15.0	7.9 7.8 7.4 7.1 7.8	<4 13 33 360 5	22 29 36 626 21	1,100 1,320 1,240 534 1,180	34 26 30 604 38	8 14 12 140 18	0.1 <0.1 <0.1 2.2 <0.1	---	---	0.2 0.9 0.4 1.7 0.3	---	1.62 " " " " " " " "
67	6/09/65 6/22/65	G "	14.5 15.0	7.7 7.9	<4 <4	12 10	1,810 1,760	4 2	4 2	<0.1 <0.1	---	---	0.1 0.2	---	1.95 "
68	6/22/65 6/24/65 7/07/65 7/08/65	G " " "	16.0 17.0 18.0 18.0	8.1 8.0 7.8 8.0	10 10 7 8	14 14 8 7	802 783 834 836	13 2 8 3	9 2 8 2	<0.1 <0.1 <0.1 <0.1	---	---	0.3 0.2 0.2 ---	2.8 4.4 ---	0.13 " " " "
69	6/22/65 6/24/65 7/07/65 7/08/65	G " " "	17.0 17.5 18.5 19.0	8.2 8.1 8.2 8.2	<4 8 4 4	8 22 14 14	762 717 662 723	6 7 10 4	6 7 10 4	<0.1 <0.1 <0.1 <0.1	---	---	0.2 0.3 ---	0.2 1.5 ---	0.32 " " " "
70	6/24/65 7/07/65 7/08/65	G " "	18.0 15.0 ---	7.8 7.8 7.9	12 32 6	42 12 9	512 359 552	8 11 42	4 11 9	<0.1 <0.1 <0.1	---	---	0.3 ---	3.6 ---	0.01 "

Appendix C - Table IX (continued)
 Outfall Sampling Data, Industrial Wastes
 Survey - Remainder of Basin

Map Ident. No.	Dates of Sampling	Type of Sample	Time	Temp °C	pH	BOD mg/l	COD mg/l	Cond. umhos	TSS mg/l	VSS mg/l	Settl. Sol. ml/l	Total Coliform MPN/100ml	Fecal Coliform MPN/100ml	ABS mg/l	NO ₃ -N mg/l	Fluor MGD
71	11/15/65	G	1540	13.0	7.8	94	143	1,640	299	75	1.8	35,000,000	11,000	---	---	0.23
	11/16/65	"	1345	10.0	7.8	41	76	1,640	365	84	0.8	11,000,000	49,000	---	---	"
	11/17/65	"	1035	12.0	7.8	32	93	1,640	405	83	0.7	---	---	---	---	"
	11/18/65	"	0945	11.0	8.1	22	60	1,510	340	73	0.7	---	---	---	---	"
72	11/19/65	"	1325	13.0	7.8	56	53	1,440	198	108	0.2	---	---	---	---	"
	6/24/65	G	1115	18.0	8.0	9	35	187	59	15	<0.1	---	---	---	---	"
	7/06/65	"	1425	19.0	7.6	13	36	235	8	0	<0.1	---	---	0.3	0.0	0.03
	7/07/65	"	1215	19.0	7.7	44	101	302	23	12	<0.1	---	---	0.7	0.8	"
73	7/08/65	"	1300	20.0	7.8	14	42	221	15	9	<0.1	---	---	---	---	"
	7/06/65	G	1315	17.0	7.6	12	18	2,090	32	11	<0.1	---	---	---	---	"
	7/07/65	"	1150	17.0	7.4	<4	11	1,910	11	11	<0.1	---	---	0.6	5.3	0.16
	7/08/65	"	1100	16.0	7.6	7	14	2,000	4	4	<0.1	---	---	---	---	"
74	7/06/65	G	1240	20.5	7.7	42	49	1,040	55	13	<0.1	---	---	---	---	"
	7/07/65	"	1200	20.0	7.8	<4	35	1,040	12	12	<0.1	---	---	0.4	8.0	1.00
	7/08/65	"	1105	20.0	7.9	<65	78	1,070	58	46	1.0	---	---	---	---	"
												---	---	---	---	"

Note: C - Composite Samples
 G - Grab Samples

Appendix C - Table X

Complete Listing and Description of Outfall Waste Sampling Stations

Remainder of Basin

Map Ident. No.	Station No.	Description	River Mileage
61	1905	36-inch outfall in the City of Boulder entering Boulder Creek from left side at 9th Street	270.0/17.4/25.0
62	1906	36-inch outfall in the City of Boulder entering Boulder Creek from left side at 11th Street	270.0/17.4/24.9
63	1907	42-inch outfall in the City of Boulder entering Boulder Creek from right side at Broadway Avenue	270.0/17.4/24.8
64	1908	36-inch outfall in the City of Boulder entering Boulder Creek from left side at 13th Street	270.0/17.4/24.7
65	1901B	Ditch in City of Longmont entering St. Vrain Creek from left side at Pratt Street	270.0/24.0
66	1902	42-inch outfall in City of Longmont entering drainage ditch from right side to St. Vrain Creek at Baker Street	270.0/23.0/0.1
67	1903	36-inch outfall in City of Longmont entering St. Vrain Creek from left side near sewage treatment plant	270.0/22.8
68	1911	30-inch outfall in City of Fort Collins entering Cache la Poudre River from right side at Chestnut Street	249.0/45.2
69	1914	54-inch outfall in City of Fort Collins entering Cache la Poudre River from right side south of Mulberry Street	249.0/44.2
70	1915	10-inch outfall in City of Fort Collins entering Spring Creek from right side at Stover Street	249.0/41.2/2.3
71	1926	Ditch in Town of Eaton entering Eaton Draw from right side south of Great Western Sugar Company plant	249.0/6.9/6.9
72	1916	27-inch outfall in City of Greeley entering Greeley Number 3 Canal from right side at 19th Street	249.0/16.8/7.2

Appendix C - Table X (continued)
 Complete Listing and Description of Outfall Waste
 Sampling Stations - Remainder of Basin

Map Ident. No.	Station No.	Description	River Mileage
73	1924	33-inch outfall in City of Greeley entering Cache la Poudre River from right side at 1st Street	249.0/6.3
74	1922	45-inch outfall in City of Greeley entering Cache la Poudre River from right side at 7th Street	249.0/5.7